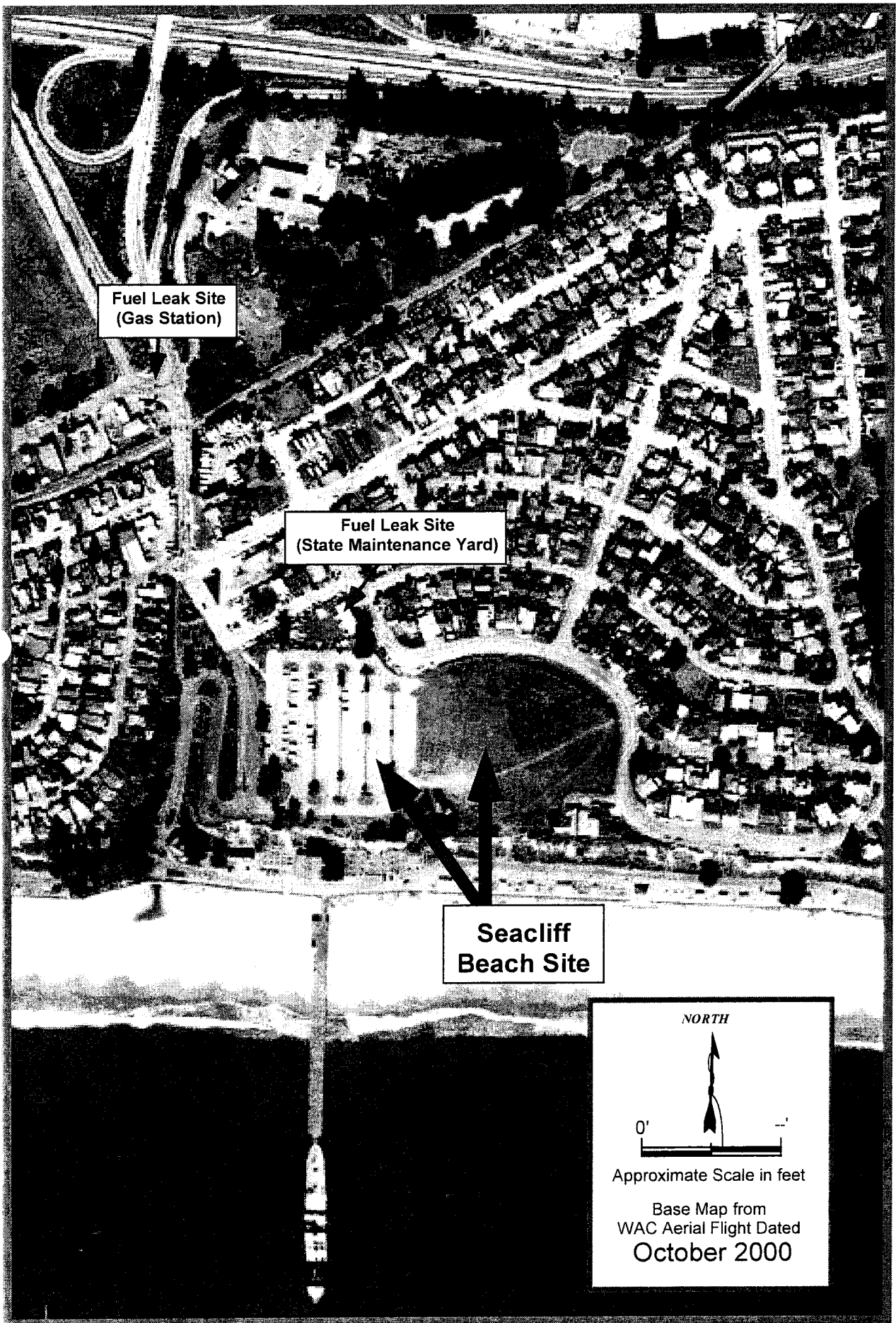


FIGURE  
3C  
Job #  
23008

**VICINITY MAP**  
Visitor Center Feasibility Study  
SITE 3 - Seacliff Beach Site  
Aptos, California

**Weber, Hayes & Associates**  
Hydrogeology and Environmental Engineering  
120 Westgate Drive, Watsonville, Ca. 95076  
(831) 722 - 3580 (831) 662 - 3100





Fuel Leak Site  
(Gas Station)

Fuel Leak Site  
(State Maintenance Yard)

Seacliff  
Beach Site

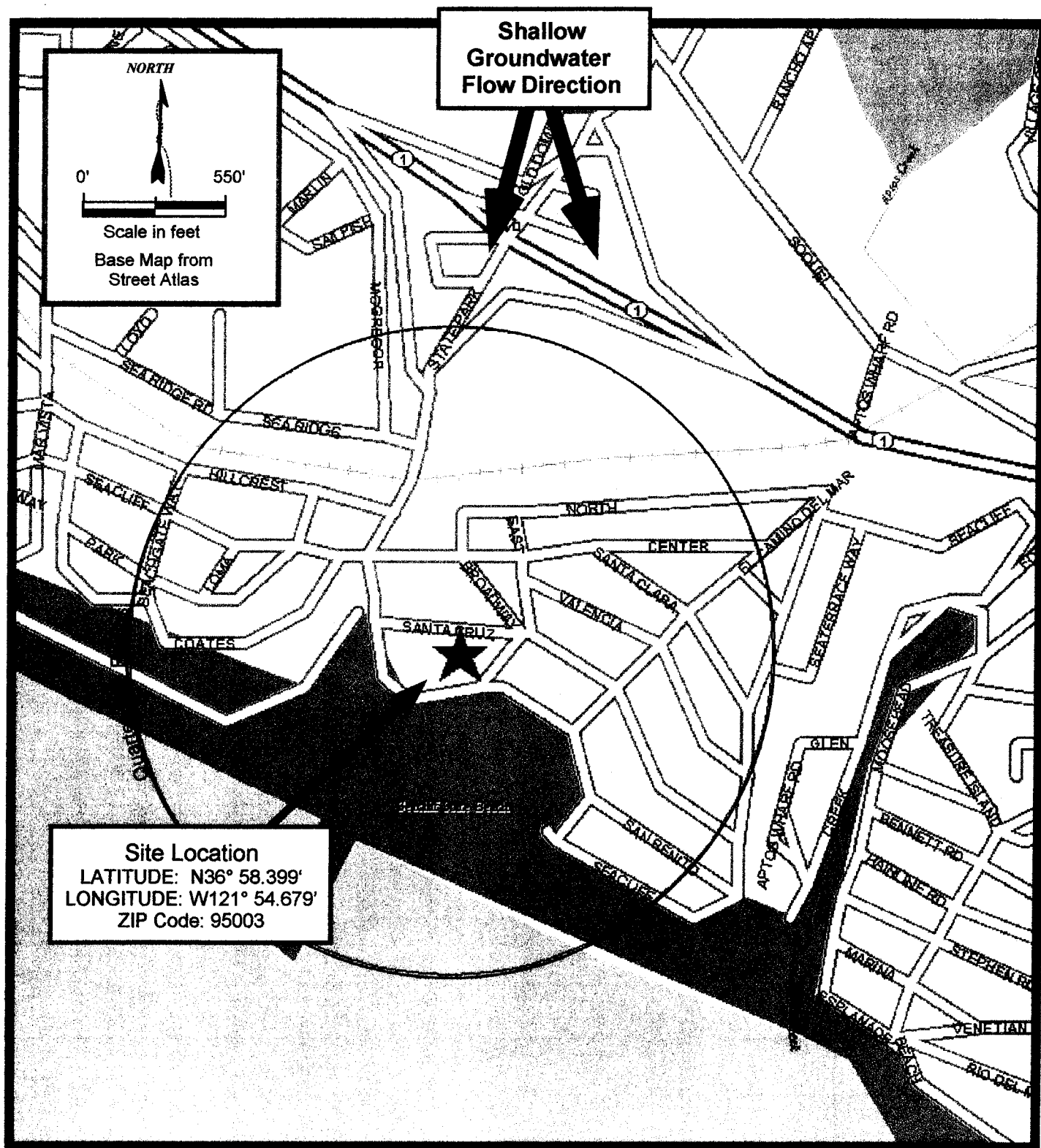
NORTH



Approximate Scale in feet

Base Map from  
WAC Aerial Flight Dated  
October 2000





file:\A\JOB\23008\figures\seacliff street



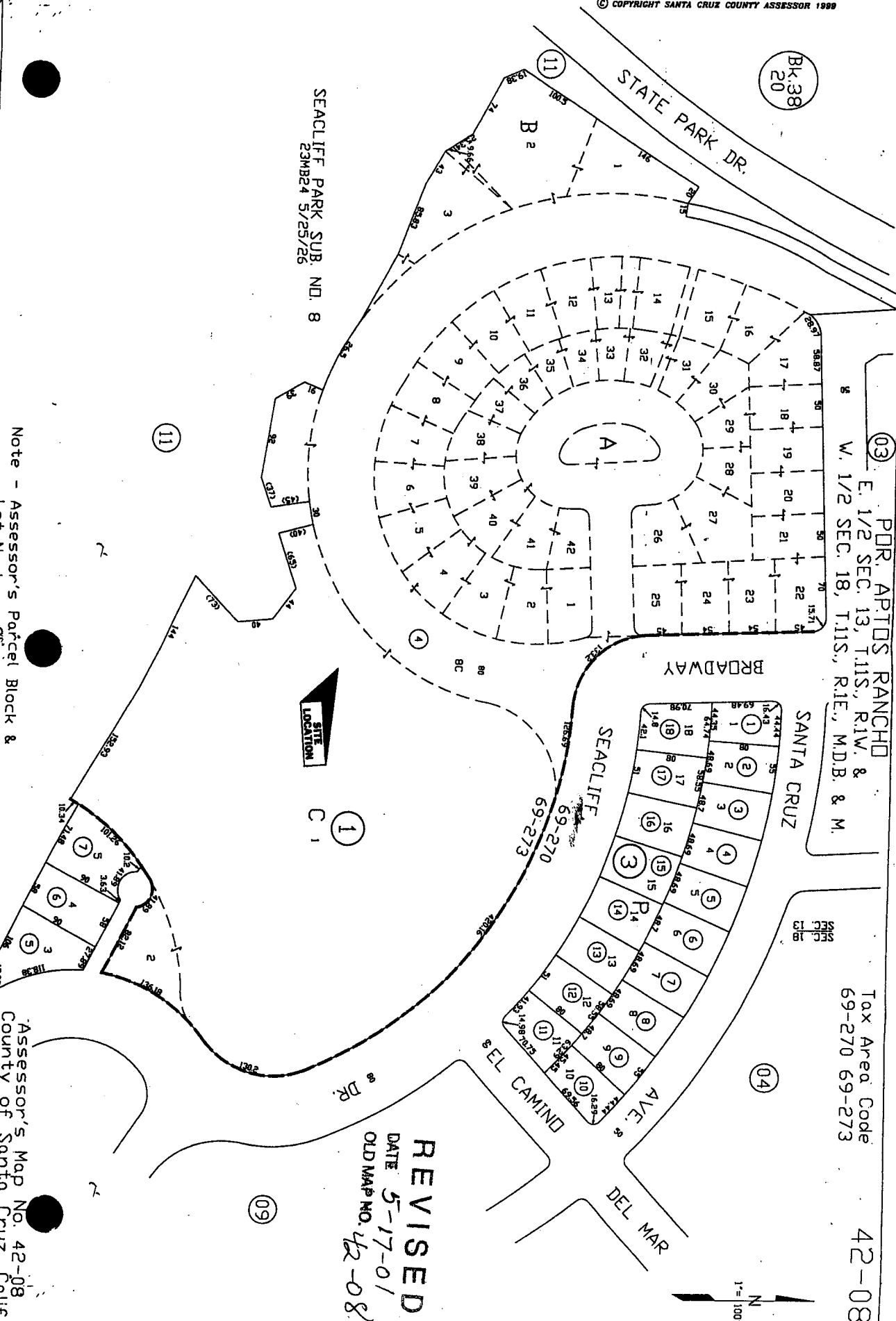
**Weber, Hayes & Associates**  
 Hydrogeology and Environmental Engineering  
 120 Westgate Drive, Watsonville, Ca. 95076  
 (831) 722 - 3580 (831) 662 - 3100

**Street Map**  
 Visitor Center Feasibility Study  
 SITE 3 - Seacliff State Beach Site  
 Aptos, California

**FIGURE**  
**1**  
**Job #**  
**23008**

# FOR TAX PURPOSES ONLY

THE ASSESSOR MAKES NO GUARANTEE AS TO MAP ACCURACY NOR ASSUMES ANY LIABILITY FOR OTHER USES. NOT TO BE REPRODUCED. ALL RIGHTS RESERVED.  
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SEACLIFF PARK SUB. NO. 8  
23MB24 5/25/26

03 POR. APTOS RANCHO  
E. 1/2 SEC. 13, T.11S, R.1W. &  
W. 1/2 SEC. 18, T.11S, R.1E, M.D.B. & M.

Tax Area Code  
69-270 69-273

42-08

REVISED  
DATE 5-17-01  
OLD MAP NO. 42-08

Note - Assessor's Parcel Block &

Assessor's Map No. 42-08  
County of Santa Cruz

04/17/03  
11:02:11

C O U N T Y O F S A N T A C R U Z  
C H A R A C T E R I S T I C I N Q U I R Y S C R E E N

PARCEL NO.....: 042 081 04  
ASSESSEE NAME...: CALIFORNIA STATE OF  
SITUS.....:  
MAILING ADDRESS: 101 MADELINE DR

CA 95003

USE CODE.....: STATE PARK/RECREATION

S T R U C T U R E D A T A

MAIN BUILDING...SQFT:	NO. UNITS.....:	POOL.....:
YEAR BUILT(EST).....: 0000	HEAT.....:	SPA.....:
TOTAL ROOM COUNT.....:	CONCRETE.SQFT:	DECKS.....SQFT:
NO. BEDROOMS.....:	GARAGE...SQFT:	NO. FIREPLACES: 0
NO. BATHROOMS(F/H)...: 0 / 0	CARPORT..SQFT:	ROOF.....:
MISC OTHER BUILDINGS:		

L A N D D A T A

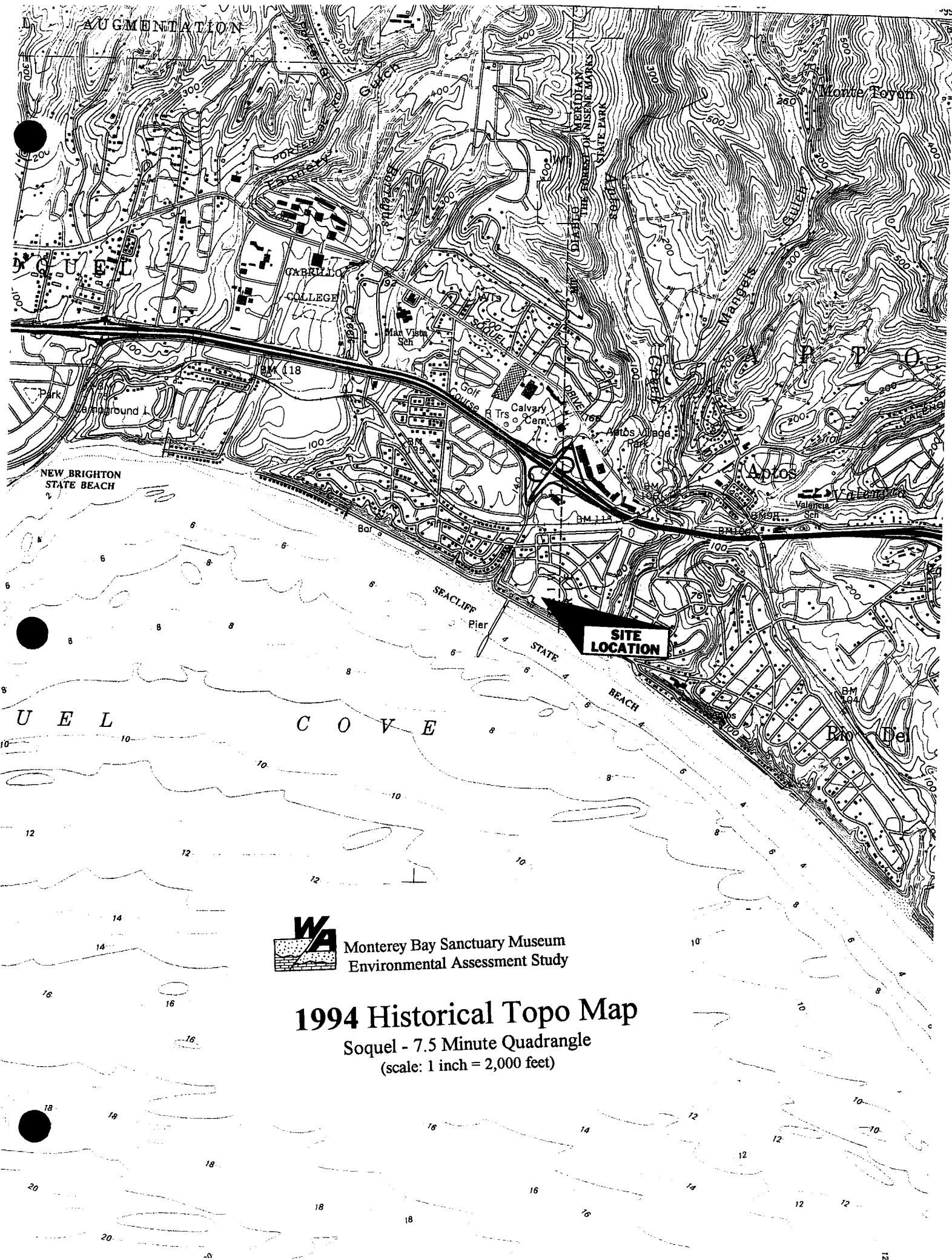
WATER.....:  
SANITATION.....: PARCEL SIZE (COMPUTER EST.).....ACRE: 12.146  
PARCEL NO.....: 042 081 04 : :

NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THIS DATA.  
JUST PRESS 'ENTER'

---

PROPERTY PROFILE

PARCEL NUMBER ..... 042 081 04 PUBLIC  
PROPERTY LOCATION .....  
OWNER'S NAME ..... CALIFORNIA STATE OF  
DEPT OF PARKS & REC  
OWNER'S MAILING ADDRESS..... 101 MADELINE DR  
APTOS CA 95003  
ASSESSMENT ROLL VALUE INFORMATION: LAND .....  
IMPROVEMENTS .....  
PERSONAL PROPERTY .....  
TOTAL VALUE .....  
EXEMPTION AMOUNT AND TYPE .....  
----- CURRENT ----- PREVIOUS ----  
RECORDING REFERENCE ..... 1822-006  
RECORDING DATE ..... 6/06/1967  
PREVIOUS OWNER'S NAME.....  
PLEASE KEY A NEW APN OR PRESS RED 'END' KEY TO START OVER.  
OR PRESS PF1 FOR PROPERTY CHARACTERISTICS.

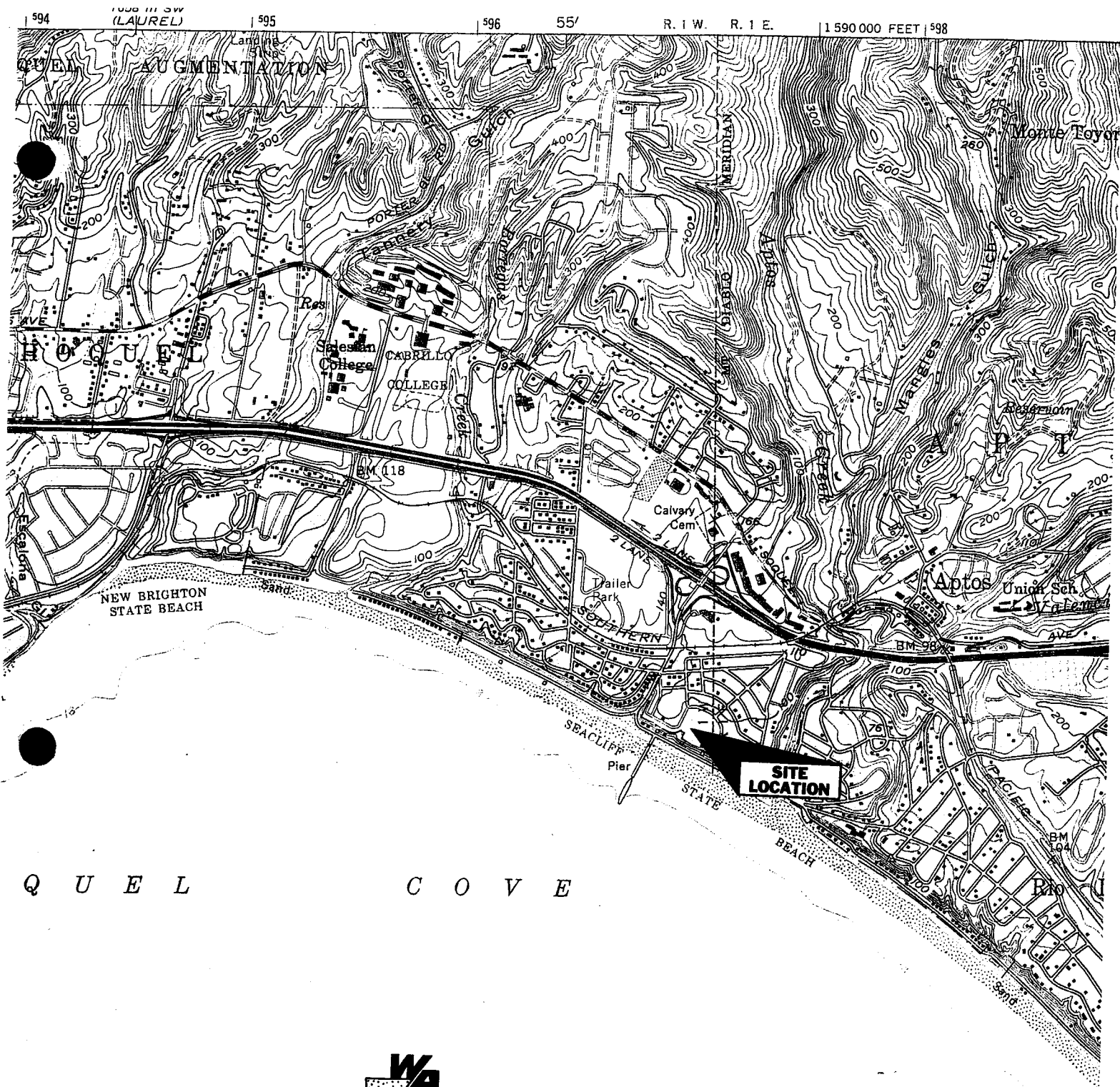



Monterey Bay Sanctuary Museum  
Environmental Assessment Study

## 1994 Historical Topo Map

Soquel - 7.5 Minute Quadrangle  
(scale: 1 inch = 2,000 feet)



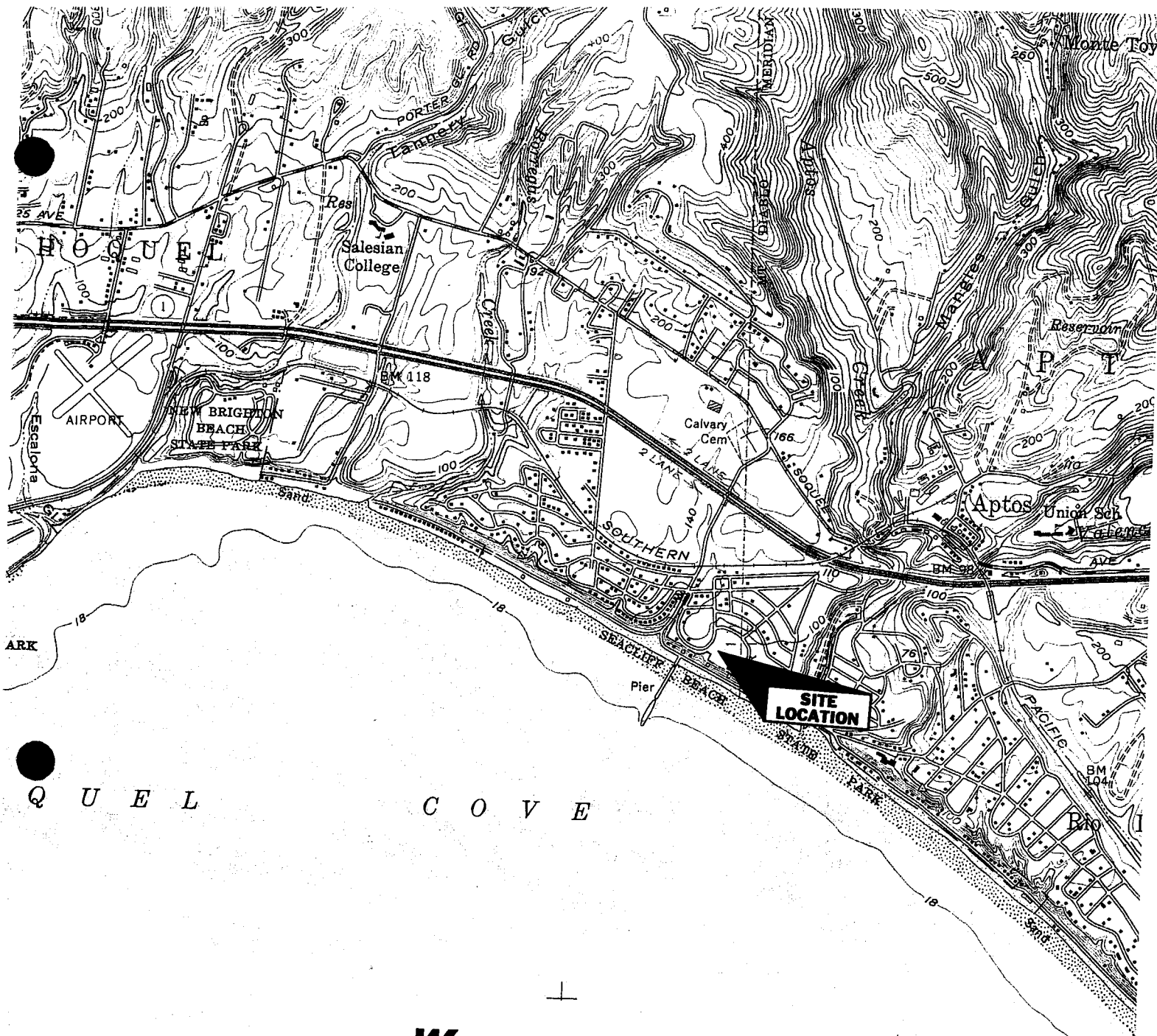


 Monterey Bay Sanctuary Museum  
Environmental Assessment Study

**1980 Historical Topo Map**  
Soquel - 7.5 Minute Quadrangle  
(scale: 1 inch = 2,000 feet)







Monterey Bay Sanctuary Museum  
Environmental Assessment Study

## 1954 Historical Topo Map

Soquel - 7.5 Minute Quadrangle  
(scale: 1 inch = 2,000 feet)

# EDR® Environmental Data Resources, Inc.

## The EDR Radius Map with GeoCheck®

Visitor Ctr-Site #3/Seaciff State Beach  
Santa Cruz Avenue/Broadway  
Aptos, CA 95003

Inquiry Number: 0960024.9s

April 15, 2003

## The Source For Environmental Risk Management Data

3530 Post Road  
Southport, Connecticut 06890

### Nationwide Customer Service

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

SANTA CRUZ AVENUE/BROADWAY  
APTOS, CA 95003

#### COORDINATES

Latitude (North): 36.973600 - 36.9825.0"  
Longitude (West): 121.911400 - 121.9441.0"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 596896.8  
UTM Y (Meters): 4092294.2

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2436121-48 SOQUEL, CA  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

#### FEDERAL ASTM STANDARD

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
CERCLA/NFRA..... CERCLA No Further Remedial Action Planned  
CORRACTS..... Corrective Action Report  
RCRIS-TSD..... Resource Conservation and Recovery Information System  
RCRIS-LQG..... Resource Conservation and Recovery Information System  
RCRIS-SQG..... Resource Conservation and Recovery Information System  
ERNS..... Emergency Response Notification System

#### STATE ASTM STANDARD

AMF..... Annual Workplan Sites

## EXECUTIVE SUMMARY

Cal-Sites..... Calsites Database  
Notifi 65..... Proposition 65 Records  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
SWPILF..... Solid Waste Information System  
WMLDUS/WAT..... Waste Management Unit Database  
CA BOND EXP. PLAN..... Bond Expenditure Plan  
VCP..... Voluntary Cleanup Program Properties  
INDIAN UST..... Underground Storage Tanks on Indian Land

### FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records of Decision  
De-listed NPL..... National Priority List Deletions  
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report  
HMIRS..... Hazardous Materials Information Reporting System  
MLTS..... Material Licensing Tracking System  
MINES..... Mines Master Index File  
NPL Liens..... Federal Superfund Liens  
PADS..... PCB Activity Database System  
RAATS..... RCRA Administrative Action Tracking System  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
SSTS..... Section 7 Tracking Systems  
FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

### STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Petroleum Storage Tank Facilities  
CLEANERS..... Cleaner Facilities  
CA WDS..... Waste Discharge System  
DEED..... List of Deed Restrictions  
NFA..... No Further Action Determination  
REF..... Uncertified Properties Referred to Another Agency  
SCH..... School Property Evaluation Program  
NFE..... Properties Needing Further Evaluation  
CA SLIC..... Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

### EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

### BROWNFIELD DATABASES

VCP..... Voluntary Cleanup Program Properties

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### STATE ASTM STANDARD

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 12/31/2001 has revealed that there are 4 CHMIRS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	7719 SOQUEL DRIVE	1/4 - 1/2NE	D13	16
Not reported	16 RANCHO DEL MAR	1/2 - 1 NNE	E19	27
Not reported	600 CATHEDRAL DRIVE	1/2 - 1 NE	E20	30
Lower Elevation	Address	Dist / Dir	Map ID	Page
Not reported	206 BEACH DRIVE	1/2 - 1 SE	E18	26

CORTSE: The database identifies public drinking water wells with detectable levels of contamination, through the abandoned wells assessment program, sites with known toxic material identified solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 2 Cortese sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SHELL	16 RANCHO DEL MAR	1/4 - 1/2NNE	E16	23
Lower Elevation	Address	Dist / Dir	Map ID	Page
ESPLANADE PUMP STATION	103 MARINA AVE	1/4 - 1/2SE	C11	13

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 01/06/2003 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SEACLIFF STATE BEACH	1 STATE PARK DR	0 - 1/8 NW	A2	6
TOSCO - FACILITY #5876	201 SEA RIDGE RD	1/8 - 1/4N	B6	9
CHEVRON SERVICE STATION #9-427	7719 SOQUEL DR	1/4 - 1/2NE	D14	18
SHELL STATION	16 RANCHO DEL MAR	1/4 - 1/2NNE	E15	19
SHELL BRANDED SERVICE STATION	16 RANCHO DEL MAR	1/4 - 1/2NNE	E17	24
Lower Elevation	Address	Dist / Dir	Map ID	Page
ESPLANADE PUMP STATION	103 MARINA AVE	1/4 - 1/2SE	C11	13
APRDS ESPLANADE PUMP STATION	103 MARINA AVE	1/4 - 1/2SE	C12	15

## EXECUTIVE SUMMARY

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 01/06/2003 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MOULTON'S UNION SERVICE #5876	201 SEARIDGE RD	1/8 - 1/4N	B8	12
CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.				
A review of the CA FID UST list, as provided by EDR, has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.				
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MOULTON UNION SERVICE	201 SEARIDGE RD	1/8 - 1/4N	B9	12

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
UNION OIL SSM #5876	201 SEA RIDGE RD	1/8 - 1/4N	B5	9
UNION OIL SSM #5876	201 SEA RIDGE RD	1/8 - 1/4N	B7	11

### STATE OR LOCAL ASTM SUPPLEMENTAL

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substances Control is the agency

A review of the HAZNET list, as provided by EDR, has revealed that there are 4 HAZNET sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CALIF. STATE PARK DIST. AUTO R	201 STATE PARK DR	0 - 1/8 NW	A1	6
TOSCA CATANIA	270 NORTH AVE	1/8 - 1/4NE	B3	8
UNION SERVICE STATION #5876	201 SEARIDGE RD	1/8 - 1/4N	B4	8
WESTERN MEDICAL ASSOCIATES	245 SEA RIDGE RD	1/8 - 1/4NW	T0	12

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name

SEACLIFF TRAIN DERAILMENT  
SCCSD NO PUMPING STATION  
POTBELLY BEACH CLUB  
POTBELLY BEACH CLUB  
DPR SEACLIFF STATE BEACH  
PUG & LEACH DR  
206 LEACH DR  
MATERIAL IS 1/2 MILE OFFSHORE  
HWY 58 /IBETW PARK AVE & STATE PARK DR

Database(s)

Cal-Sites  
LUST, Cottage  
HIST UST  
CA FID UST  
HAZNET  
HAZNET  
ERNS  
ERNS

## OVERVIEW MAP - 0960024.9s - Weber, Hayes, & Associates



- \* Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites

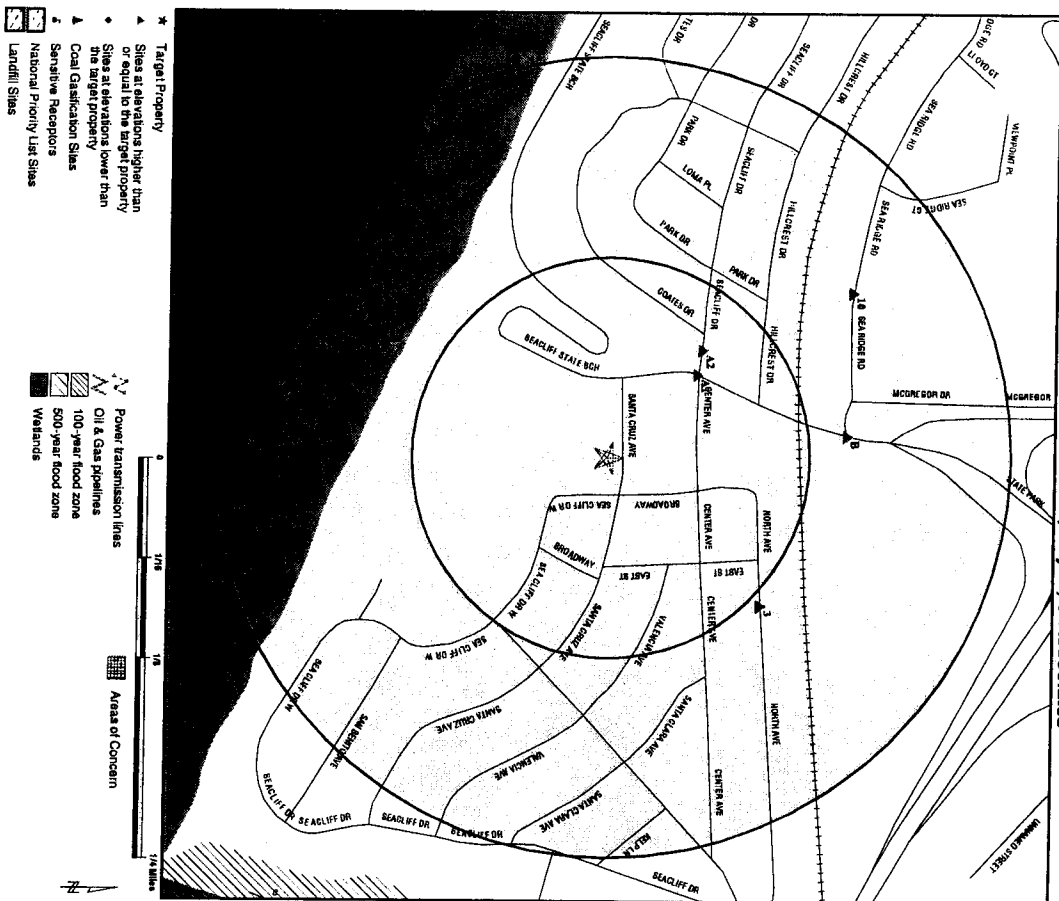
- Power Transmission Lines
- Oil & Gas Pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands
- Area of Concern

TARGET PROPERTY:  
ADDRESS: Visitor Ctr. Site #3/Seaciff State Beach  
CITY/STATE/ZIP: Santa Cruz Avenue/Broadway  
LAT/LONG: Aptos CA 95003  
38.8736 / 121.9114

CUSTOMER: Weber, Hayes, & Associates  
CONTACT: Pat Hoban  
INQUIRY #: 0960024.9s  
DATE: April 15, 2003 11:36 am

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# DETAIL MAP - 0960024.9s - Weber, Hayes, & Associates



**TARGET PROPERTY:** Visitor Ctr. Site #23/Seacliff State Beach  
**ADDRESS:** Santa Cruz Avenue/Broadway  
**CITY/STATE/ZIP:** Aptos CA 95003  
**DATE:** 36.8736 / 121.9114

**CUSTOMER:** Weber, Hayes, & Associates  
**CONTACT:** Patricia Hayes  
**INQUIRY #:** 0960024.9s  
**DATE:** April 15, 2003 11:37 AM

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## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
----------	-----------------	-------------------------	-------	-----------	-----------	---------	-----	---------------

### FEDERAL ASTM STANDARD

NPL	1,000	0	0	0	0	0	0	0
Proposed NPL	1,000	0	0	0	0	0	0	0
CERCILIS	0,500	0	0	0	0	0	0	0
CORC-INRAP	0,250	0	0	0	0	0	0	0
CORRACIS	1,000	0	0	0	0	0	0	0
ROCRIS-TSD	0,500	0	0	0	0	0	0	0
ROCRIS Lg. Quan. Gen.	0,250	0	0	0	0	0	0	0
ROCRIS Sm. Quan. Gen.	0,250	0	0	0	0	0	0	0
ERNS	TP	NR	NR	NR	NR	NR	NR	0

### STATE ASTM STANDARD

ANP	1,000	0	0	0	0	0	0	0
Cal-Silica	1,000	0	0	0	0	0	0	0
CHMIRIS	1,000	0	0	0	0	0	0	0
COMBES	1,000	0	0	0	0	0	0	0
COMBES	1,000	0	0	0	0	0	0	0
TRSD Plus	1,000	0	0	0	0	0	0	0
State Landfill	0,500	0	0	0	0	0	0	0
WMLDSS/WAT	0,500	0	0	0	0	0	0	0
LUST	0,500	0	0	0	0	0	0	0
CA Bond Exp. Plan	1,000	0	0	0	0	0	0	0
USP	0,250	0	0	0	0	0	0	0
VCP	0,500	0	0	0	0	0	0	0
INDIAN LUST	0,250	0	0	0	0	0	0	0
CA FID LUST	0,250	0	0	0	0	0	0	0
HIST LUST	0,250	0	0	0	0	0	0	0

### FEDERAL ASTM SUPPLEMENTAL

CONSENT	1,000	0	0	0	0	0	0	0
ROD	1,000	0	0	0	0	0	0	0
Delisted NPL	1,000	0	0	0	0	0	0	0
FINDS	TP	NR	NR	NR	NR	NR	NR	0
HMIRS	TP	NR	NR	NR	NR	NR	NR	0
MULTS	0,250	NR	NR	NR	NR	NR	NR	0
MINES	TP	NR	NR	NR	NR	NR	NR	0
NPL Liens	TP	NR	NR	NR	NR	NR	NR	0
PADS	TP	NR	NR	NR	NR	NR	NR	0
RAATs	TP	NR	NR	NR	NR	NR	NR	0
TRIS	TP	NR	NR	NR	NR	NR	NR	0
TSCA	TP	NR	NR	NR	NR	NR	NR	0
SSTS	TP	NR	NR	NR	NR	NR	NR	0
FTTS	TP	NR	NR	NR	NR	NR	NR	0

### STATE OR LOCAL ASTM SUPPLEMENTAL

AST	TP	NR	NR	NR	NR	NR	NR	0
-----	----	----	----	----	----	----	----	---



# MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
REF		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	0	0	NR	NR	NR	0
HAZNET		0.250	1	3	NR	NR	NR	4
<b>EDR PROPRIETARY HISTORICAL DATABASES</b>								
Coal Gas		1.000	0	0	0	0	NR	0
<b>BROWNFIELD'S DATABASES</b>								
VCP		0.500	0	0	0	NR	NR	0

## NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

# MAP FINDINGS

Map ID	Direction	Distance (ft)	Elevation	Site	Database(s)	EDR ID Number
--------	-----------	---------------	-----------	------	-------------	---------------

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIRONIAZ database.

A1	CA	STATE PARK DIST. AUTO REPAIR SHOP	HAZNET	ST04578070
NW	201	STATE PARK DR	N/A	
< 1/8	APTOS, CA 95003			
388 ft.				
Higher				

Site 1 of 2 in cluster A

HAZNET:  
 Geopaid: CAL000106522  
 Tepaid: CAT080013352  
 Gen County: Santa Cruz  
 Ted County: Los Angeles  
 Tons: 0.2283  
 Category: Liquids with halogenated organic compounds > 1000 mg/l  
 Disposal Method: Recycler  
 Contact: CALIF. STATE PARK  
 Telephone: (831) 685-8445  
 Mailing Address: 201 STATE PARK DR  
 APTOS, CA 95003  
 County: Santa Cruz

A2	SEACUFF STATE BEACH	LUST	ST04494739
NW	1	STATE PARK DR	
< 1/8	APTOS, CA 95003		
466 ft.			
Higher			

Site 2 of 2 in cluster A

State LUST:  
 Cross Street: CENTER  
 City/Leased: Not reported  
 Reg Number: 2258  
 Reg Board: Central Coast Region  
 Overhead: Diesel  
 Local Agency: Local Agency  
 Case Type: 4400  
 Status: Unattended  
 County: No Action  
 Review Date: Santa Cruz  
 Workplan: Not reported  
 Pollution Char: Not reported  
 Remed Action: Not reported  
 Close Date: Not reported  
 Release Date: 2/16/2000  
 Cleanup Fund ID: Not reported  
 Discover Date: 1/1/1985  
 Enforcement D: Not reported  
 Ert Type: Not reported  
 Enter Date: Not reported  
 Funding: Not reported  
 Staff Initials: UST  
 How Discovered: Tank Closure  
 How Stopped: Not reported  
 Interim: Not reported  
 Leak Cause: UNK  
 Leak Source: Piping  
 Confirm Leak: Not reported  
 Prelim Assess: Not reported  
 Remed Plan: Not reported  
 Monitoring: Not reported

Map ID  
Direction  
Distance  
Elevation (ft.)  
Site

Database(s)  
EPA ID Number  
EOR ID Number

SEACLIFF STATE BEACH (Continued)

MTBE Date : Not reported  
Max MTBE GW : Not reported  
MTBE Tested : Not reported to be Tested  
Priority : Not reported  
Local Case # : Not reported  
Beneficial : Not reported  
Staff : BUC  
GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin #: Not reported  
Operator : Not reported  
Overnight Prgm : R8 Lead Underground Storage Tank  
Overnight Prgm : UST  
Release Date : Not reported  
Stop Date : Not reported  
Work Suspended : Not reported  
Responsible Party: UNKNOWN  
RP Address : PO BOX 1283  
Global ID : 1080879986  
On Name : Not reported  
Contact Person : Not reported  
MTBE Conc : 0  
Miles Fuel : 0  
Water System Name : Not reported  
Well Name : Not reported  
Distance To Luel : 0  
Waste Discharge Global ID : Not reported  
Waste Ditch Assigned Name : Not reported

LUST Region 3:  
Case Number: 3288  
Cross Street: CENTER  
Responsible Party: UNKNOWN  
Local Agency: 03  
Discovered: 01/01/1985  
How Found: Tank Closure  
Source: Piping  
Cause: LNK  
Lead Agency: Local Agency  
Case Type: Undefined  
Contact: Not reported  
Facility Status: No Action  
Facility County: Santa Cruz  
Review Date: Not reported  
Confirm Leak: //  
Prelim Assess: //  
Remedial Plan: //  
Monitoring: Not reported  
Enforce Date: Not reported  
Interim Action: Not reported  
Miles Concentration: 0  
Org Name: Not reported  
Max MTBE Ground Water: Not reported  
Max MTBE Soil: Not reported  
Max MTBE Date: //

Map ID  
Direction  
Distance  
Elevation (ft.)  
Site

Database(s)  
EPA ID Number  
EOR ID Number

SEACLIFF STATE BEACH (Continued)

MTBE Tested : NRO  
Lat/Long : 36.9746 / -121.9123  
Soil Qualifier : Not reported  
Groundwater Qualifier : Not reported  
Summary: SEEKING ADVICE FROM DEPARTMENT HEADQUARTERS ON HOW TO PROCEED.

3  
NE  
1/8-1/4  
782 ft.  
Higher

TOSCA CATANIA  
279 NORTH AVE  
APTOS, CA 95076

HAZNET  
8102802518  
N/A

HAZNET:  
Geopaid: CAC001025544  
Trepid: CADD081388652  
Gen County: Santa Cruz  
Tad County: Santa Cruz  
Tone: 3500  
Category: Aqueous-containing waste  
Disposal Method: Disposal Land Fill  
Contact: TOSCA CATANIA  
Telephone: (408) 288-5243  
Mailing Address: 1308 LENNON WAY  
SAN JOSE, CA 95126  
County

B4  
North  
1/8-1/4  
786 ft.  
Higher

UNOCAL SERVICE STATION #5078  
201 SEARIDGE RD  
APTOS, CA 95076  
Site 1 of 6 in cluster B

HAZNET  
8102808707  
N/A

HAZNET:  
Geopaid: CADD082057614  
Trepid: CADD080452657  
Gen County: Santa Cruz  
Tad County: Santa Cruz  
Tone: 1042  
Category: Aqueous solution with 10% or more total organic residues  
Disposal Method: Recycler  
Contact: UNION OIL CO  
Telephone: (213) 977-7600  
Mailing Address: PO BOX 2390  
BREA, CA 92822-2390  
County

Map ID  
Direction  
Distance (ft.)  
Elevation  
Site  
Database(s)  
EDR ID Number  
EPA ID Number

MAP FINDINGS

UNOCAL SERVICE STATION #5976 (Continued)

5105088707

Geopaid: CAL000179268  
Tepaid: CAD028408019  
Gen County: Santa Cruz  
Tel County: Los Angeles  
Tons: 0.41  
Category: Unspecified organic liquid mixture  
Disposal Method: Transfer Station  
Contact: HAZMAT SPECIALIST  
Telephone: (602) 728-4180  
Mailing Address: PO BOX 52085  
PHOENIX, AZ 85072 - 2085  
County: Santa Cruz

B5  
North  
1/8-1/4  
788 ft.  
Higher  
UNION OIL S98 5976  
201 SEA RIDGE RD  
APTOS, CA 95003  
Site 2 of 6 in cluster B  
HIST UST  
U001600812  
N/A

UST HIST:  
Facility ID: 60720  
Tank Num: 1  
Tank Capacity: 0  
Type of Fuel: WASTE  
Leak Detection: Not Reported  
Visual  
Contact Name: MOLLTON'S SERVICE, INC.  
Total Tanks: 2  
Facility Type: 1  
Container Num: 5876-10-2  
Year Installed: Not reported  
Tank Construction: 6 inches  
Telephone: (408) 888-7600  
Region: STATE  
Other Type: Not reported  
Facility ID: 60720  
Tank Num: 2  
Tank Capacity: 0  
Type of Fuel: WASTE  
Leak Detection: Not Reported  
Visual  
Contact Name: MOLLTON'S SERVICE, INC.  
Total Tanks: 2  
Facility Type: 1  
Container Num: 5876-10-1  
Year Installed: Not reported  
Tank Construction: 6 inches  
Telephone: (408) 888-7600  
Region: STATE  
Other Type: Not reported

B6  
North  
1/8-1/4  
788 ft.  
Higher  
TOSCO - FACILITY #5876  
201 SEA RIDGE RD  
APTOS, CA 95003  
Site 3 of 6 in cluster B  
LUST  
5105224810  
N/A

State LUST:  
Case Street: STATE PARK DR  
City/State: Not reported  
Case Number: 3046  
Reg Number: 3046  
Chemical: Gasoline  
Lead Agency: Regional Board  
Local Agency: 44000

Map ID  
Direction  
Distance (ft.)  
Elevation  
Site  
Database(s)  
EDR ID Number  
EPA ID Number

MAP FINDINGS

TOSCO - FACILITY #5876 (Continued)

5105224810

Case Type: Other ground water affected  
Status: Case Closed  
County: Santa Cruz  
Abate Method: Unknown - action taken at site is unknown  
Review Date: Not reported  
Workplan: Not reported  
Pollution Char: Not reported  
Remed Action: Not reported  
Close Date: 1/7/2002  
Release Date: 5/5/1989  
Cleanup Fund ID: Not reported  
Discover Date: 1/1/1985  
Enforcement D1: Not reported  
Ent Type: LET  
Enter Date: 5/18/1989  
Funding: 0  
Staff Initials: UST  
How Discovered: Subsurface Monitoring  
How Stopped: Not reported  
Interim: No  
Leak Cause: UNK  
Leak Source: UNK  
MTBE Date: 6/6/2002  
Max MTBE GW: 0.5 Parts per Billion  
MTBE Tested: MTBE Detected Site tested for MTBE & MTBE detected  
Priority: Not reported  
Local Case #: Not reported  
Beneficial: Not reported  
Staff: BUC  
GW Qualifier: <  
Max MTBE Soil: Not reported  
Soil Qualifier: Not reported  
Hydr Basin #: 4.13  
Operator: Not reported  
Oversight Prgm: R8 Lead Underground Storage Tank  
Review Date: 7/30/2002  
Stop Date: Not reported  
Work Suspended: Not reported  
Responsible Party/MR: ED RALSTON  
RP Address: 1380 LEAD HILL ROAD, SUITE 120  
Global ID: T0808700168  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 3  
MTBE Fuel: 1  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Last: 0  
Waste Discharge Global ID: Not reported  
Waste Ditch Assigned Name: Not reported  
LUST Region 3:  
Case Number: 3046  
Case Street: STATE PARK DR  
Responsible Party/MR: ED RALSTON  
Local Agency: 03  
Discovered: 01/01/1985  
Release Date: 05/05/1989  
Enter Date: 5/18/89  
Regional Board: Central Coast Region  
Ship Date: Not reported

Map ID  
Direction  
Distance  
Elevation (ft.)  
Site

MAP FINDINGS

Database(s)  
EPA ID Number  
EPA ID Number

TOSCO - FACILITY #8876 (Continued)

How Found: Subsurface Monitoring  
Source: UNK  
Cause: Regional Band  
Lead Agency: Other ground water affected  
Case Type: Not reported  
Contact: Santa Cruz  
Facility Status: Case Closed  
Facility County: Santa Cruz  
Review Date: 7/20/02  
Confirm Leak: / /  
Prelim Assess: / /  
Remedial Plan: / /  
Monitoring: Not reported  
Enforce Type: LET  
Enforce Date: / /  
Interim Action: 0  
Mile Concentration: 1  
Mile Fuel: Not reported  
Org Name: Not reported  
Max MTBE Ground Water: 0.5  
Max MTBE Soil: Not reported  
Max MTBE Data: 06/02/2002  
MTBE Tested: YES  
Lat/Long: 36.875137 / -121.9127819  
Soil Qualifier: Not reported  
Groundwater Qualifier: <  
Summary: SITE CLOSED 1/7/02. POST CLOSURE MONITORING. MW-3 DRY.

8105224810

BT  
North  
1/8-1/4  
766 ft.  
Higher

UNION OIL #885876

HIST UST  
U061600813  
N/A

Site 4 of 6 in cluster B

UST HIST:  
Facility ID: 30789  
Tank Num: 1  
Tank Capacity: 10000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Leak Detection: Stock inventory  
Contact Name: MOULTON'S SERVICE, INC  
Total Tanks: 3  
Facility Type: 1  
Facility ID: 30789  
Tank Num: 2  
Tank Capacity: 10000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Leak Detection: Stock inventory  
Contact Name: MOULTON'S SERVICE, INC  
Total Tanks: 3  
Facility Type: 1  
Facility ID: 30789  
Tank Num: 3  
Container Num: 5876-1-1  
Year Installed: 1987  
Tank Construction: Not reported  
Telephone: (408) 888-7800  
Region: STATE  
Other Type: Not reported  
Container Num: 5876-2-1  
Year Installed: 1987  
Tank Construction: Not reported  
Telephone: (408) 888-7800  
Region: STATE  
Other Type: Not reported  
Container Num: 5876-4-1

Map ID  
Direction  
Distance  
Elevation (ft.)  
Site

MAP FINDINGS

Database(s)  
EPA ID Number  
EPA ID Number

UNION OIL #885876 (Continued)

Tank Capacity: 280  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Leak Detection: Stock inventory  
Contact Name: MOULTON'S SERVICE, INC  
Total Tanks: 3  
Facility Type: 1  
Year Installed: Not reported  
Tank Construction: Not reported  
Telephone: (408) 888-7800  
Region: STATE  
Other Type: Not reported

U061600813

B8  
North  
1/8-1/4  
766 ft.  
Higher

MOULTON'S UNION SERVICE #8876-31007

UST  
U003768152  
N/A

Site 5 of 6 in cluster B

State UST:  
Facility ID: FA0002743  
Total Tanks: 1  
Region: STATE  
Local Agency: 44000

B8  
North  
1/8-1/4  
766 ft.  
Higher

MOULTON UNION SERVICE

CA FID UST  
S101584744  
N/A

Site 6 of 6 in cluster B

FID:  
Facility ID: 44000836  
Reg By: Active Underground Storage Tank Location  
Status: Active  
Mail To: Not reported  
P O BOX: APTOS, CA 95003  
Contact: Not reported  
DUNS No: Not reported  
Creation: 10/22/93  
EPA ID: Not reported  
Comments: Not reported  
Regulate ID: 00030789  
SIC Code: Not reported  
Facility Tel: (408) 888-7800  
Contact Tel: Not reported  
NPDES No: Not reported  
Modifier: 0000000

10  
NW  
1/8-1/4  
866 ft.  
Higher

WESTERN MEDICAL ASSOCIATES

HAZNET  
S10385802  
N/A

Map ID  
Direction  
Distance  
Elevation  
Site

EDR ID Number  
EPA ID Number

WESTERN MEDICAL ASSOCIATES (Continued)

\$103995602

HAZNET:  
Geopaid: CAL000174342  
Tepaid: CAL000115947  
Gen County: Santa Cruz  
Tad County: Santa Cruz  
Tons: 0208  
Category: Photocemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: C H W MEDICAL FOUNDATION  
Telephone: (408) 475-0430  
Mailing Address: 1595 SOQUEL DR STE 400  
SANTA CRUZ, CA 95065 - 1717  
County: Santa Cruz

C11  
SE  
1/4-1/2  
2061 ft.  
Lower  
Site 1 of 2 in cluster C

LUST  
\$102423278  
Cortese N/A

ESPLANADE PUMP STATION  
103 MARINA AVE  
APTOS, CA 95003  
State LUST:  
Cross Street: MOOSEHEAD DRIVE  
City Leased: Not reported  
Case Number: 495  
Reg Board: Central Coast Region  
Chemical: Diesel  
Lead Agency: Regional Board  
Local Agency: 44000  
Case Type: Other ground water affected  
Status: Case Closed  
County: Santa Cruz  
Release Method: U  
Review Date: Not reported  
Workplan: Not reported  
Pollution Char: Not reported  
Remedial Action: Not reported  
Release Date: 10/7/1987  
Release Date: 3/24/1987  
Cleanup Fund Id: Not reported  
Discovery Date: 1/17/1985  
Enforcement Dt: Not reported  
Ent Type: Not reported  
Enter Date: 7/15/1987  
Funding: Responsible Party  
Staff Initials: UST  
How Discovered: CM  
How Stopped: CM  
Instream: No  
Leak Cause: LNK  
Leak Source: LNK  
MTBE Date: Not reported  
Max MTBE GW: Not reported  
MTBE Tested: Not Required to be Tested  
Priority: 0  
Local Case #: Not reported  
Beneficial: Not reported

Confirm Leak:  
Prelim Assess:  
Remed Plan:  
Monitoring:

Not reported  
Not reported  
Not reported  
Not reported

Map ID  
Direction  
Distance  
Elevation  
Site

EDR ID Number  
EPA ID Number

ESPLANADE PUMP STATION (Continued)

\$102423278

Staff:  
HDC  
GW Qualifier: Not reported  
Max MTBE Soil: Not reported  
Soil Qualifier: Not reported  
Hydr Basin #: 4.13  
Operator: Not reported  
Oversight Prgm: R8 Land Underground Storage Tank  
Review Date: 9/18/1990  
Stop Date: Not reported  
Work Suspended: Not reported  
Responsible Party/JIM MARTIN  
RP Address: 2750 LODGE STREET  
Global Id: T0608700225  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 0  
Miba Fuel: 0  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 3:  
Case Number: 495  
Cross Street: MOOSEHEAD DRIVE  
Responsible Party/JIM MARTIN  
Local Agency: 03  
Discovered: 01/01/1985  
How Found: Not reported  
Source: Other  
Status: LNK  
Lead Agency: Regional Board  
Case Type: Other ground water affected  
Contact: Not reported  
Facility Status: Case Closed  
Review Date: 9/18/90  
Confirm Leak: /  
Prelim Assess: /  
Remedial Plan: /  
Monitoring: /  
Enforcement Type: Not reported  
Enter Date: /  
Instream Action: 0  
Miba Concentration: 0  
Miba Fuel: 0  
Org Name: Not reported  
Max MTBE Ground Water: Not reported  
Max MTBE Soil: Not reported  
MTBE Date: /  
MTBE Tested: NRO  
Lust conc: 36.8701259 / -121.9056985  
Soil Qualifier: Not reported  
Groundwater Qualifier: Not reported  
Summary: CLOSED

Staff Initials: HDC

Funding: Responsible Party

Workplan: / /

Pollution Char: 07/08/1987

Remedial Action: 12/20/1987

Close Date: 10/07/1988

Pilot Program: UST

Region: 3

Map ID  
Direction  
Distance (ft.)  
Elevation  
Site

MAP FINDINGS

Database(s)  
EPA ID Number  
8102429278

ESPLANADE PUMP STATION (Continued)

CORTESE  
Reg. ID: 486  
Region: CORTESE  
Reg. By: Leasing Underground Storage Tanks

C12  
SE  
1/4-1/2  
2061 ft.  
Lower

APTOS ESPLANADE PUMP STATION  
103 MARINA AVE  
APTOS, CA 95063

LUST  
810321487  
N/A

Site 2 of 2 in cluster C

State LUST:  
Cross Street: MOOSEHEAD DR  
City Listed: Not reported  
Case Number: 3045  
Reg. Board: Central Coast Region  
Chemical: Diesel  
Lead Agency: Regional Board  
Local Agency: 4400  
Case Type: Other ground water affected  
Status: Post remedial action monitoring  
County: Santa Cruz  
Abate Method: Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants

Review Date: Not reported  
Workplan: Not reported  
Pollution Char: Not reported  
Remedial Plan: Not reported  
Close Date: 1/1/1975  
Release Date: 9/4/1988  
Cleanup Fund ID: Not reported  
Discover Date: 1/1/1985  
Enforcement DI: Not reported  
Ent. Type: Not reported  
Enter Date: 5/18/1989  
Funding: 0  
Staff Initials: UST

How Discovered: Tank Closure  
How Stopped: Not reported  
Interim: No  
Leak Cause: UNK  
Leak Source: Other Source  
MTBE Date: 11/29/1989  
Max MTBE GW: Not reported  
MTBE Tested: MTBE Detected, Site tested for MTBE & MTBE detected  
Priority: Not reported  
Local Case #: Not reported  
Beneficial: Not reported  
Staff: BUC  
GW Qualifier: Not reported  
Max MTBE Soil: Not reported  
Soil Qualifier: Not reported  
Hydr Basin #: 4.13  
Operator: Not reported  
Oversight Pgm: RB Land Underground Storage Tank  
Oversight Pgm: UST

Map ID  
Direction  
Distance (ft.)  
Elevation  
Site

MAP FINDINGS

Database(s)  
EPA ID Number  
810321487

APTOS ESPLANADE PUMP STATION (Continued)

Review Date: Not reported  
Stop Date: 7/30/1989  
Work Suspended: Not reported  
Responsible Party: RUSSE BATESON  
RP Address: 701 OCEAN ST RM 410  
Global ID: T0608700185  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 2  
MTBE Fuel: 0  
Well Name: Not reported  
Water System Name: Not reported  
Distance To List: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 3:

Case Number: 3045  
Cross Street: MOOSEHEAD DR  
Responsible Party: RUSSE BATESON  
Local Agency: 03  
Discover Date: 01/01/1985  
How Found: Tank Closure  
Source: Other  
Cause: UNK  
Lead Agency: Regional Board  
Case Type: Other ground water affected  
Facility Status: Not reported  
Facility County: Santa Cruz  
Review Date: Not reported

Confirm Leak: Not reported  
Prelim Assess: Not reported  
Remedial Plan: Not reported  
Monitoring: 11/1/75  
Enforcement DI: Not reported  
Enter Date: Not reported  
Interim Action: 0  
Mile Concentration: 0  
Mile Fuel: 0  
Org Name: Not reported  
Max MTBE Ground Water: Not reported  
Max MTBE Soil: Not reported  
Max MTBE Date: 11/29/1989  
MTBE Tested: YES  
Leak Cause: 38 9701289 / 121 8058985  
Soil Qualifier: Not reported  
Groundwater Qualifier: Not reported  
Summary: Not reported

Staff Initials: BUC  
Funding: 0  
Workplan: Not reported  
Pollution Char: Not reported  
Remedial Action: Not reported  
Close Date: Not reported  
Pilot Program: UST  
Region: 3

D13  
NE  
1/4-1/2  
2137 ft.  
Higher

7719 SQUEL DRIVE  
APTOS, CA 95063

Site 1 of 2 in cluster D

CHMIRS  
8100218461  
N/A

Map ID  
Direction  
Distance  
Elevation  
Site  
MAP FINDINGS  
Database(s)  
EDR ID Number  
EPA ID Number

(Continued)

CHMIRS:  
OES Control Number: 9014678 DOT ID: 1203  
DOT Hazard Class: Flammable liquid  
Chemical Name: GASOLINE  
Explant of Release: Not reported  
CAS Number: Not reported  
Environmental Contamination: Other  
Incident Date: 28-DEC-90  
Time Completed: 2222  
Physical State Stored: Liquid  
Physical State Released: Liquid  
Release Unit: Gallons  
Container Description: 01  
Container Material: Aluminum and Aluminum alloys  
Level Of Container: Ground Level  
Container Capacity: 8000  
Explant Of Release (code): 6  
Agency ID Number: 44005  
OES Incident Number: 15293  
Time Notified: 9014676  
2103  
Surrounding Area: 500  
Estimated Temperature: 32  
Property Management: Not reported  
More Than Two Substances Involved?: Not reported  
Special Studies 1: Not reported  
Special Studies 2: Not reported  
Special Studies 3: Not reported  
Special Studies 4: Not reported  
Special Studies 5: Not reported  
Special Studies 6: Not reported  
Responding Agency Personnel # Of Injuries: 0  
Responding Agency Personnel # Of Fatalities: 0  
Resp Agency Personnel # Of Decontaminated: 0  
Others Number Of Injuries: 0  
Others Number Of Fatalities: 1  
Vehicle Make/Year: Not reported  
Vehicle License Number: 3436900  
Vehicle Status: CA  
Vehicle Id Number: Not reported  
CANDOT/PUC/ICC Number: 157638  
Company Name: CHEVON  
Reporting Officer Name/ID: RAYMOND F BENSEN 10  
Report Date: 28-DEC-90  
Comments: No  
408 888-3263  
Facility Telephone Number: Not reported  
Waterway Involved: Not reported  
Spill Site: Not reported  
Cleanup By: Not reported  
Containment: Not reported  
What Happened: Not reported  
Date/Time: Not reported  
Evacuations: Not reported

Map ID  
Direction  
Distance  
Elevation  
Site  
MAP FINDINGS  
Database(s)  
EDR ID Number  
EPA ID Number

(Continued)

D14  
NE  
1/4-1/2  
2137 ft.  
Higher  
CHEVRON SERVICE STATION 89-4274  
7719 BOQUEL DR  
APTOS, CA 95003  
Site 2 of 2 in cluster D  
State LUST:  
Cross Street: CLIFF DR  
Qty Leaked: Not reported  
Case Number: 2821  
Rag Board: Central Coast Region  
Chemical: Gasoline  
Local Agency: 4400  
Local Agency: 4400  
Case Type: Soil only  
Status: Case Closed  
County: Santa Cruz  
Agency: Unknown - action taken at site is unknown  
Abuse Method: 11/19/75  
Review Date: Not reported  
Workplan: Not reported  
Pollution Chief: Not reported  
Remed Action: Not reported  
Close Date: 5/24/2002  
Release Date: 2/13/1987  
Cleanup Fund ID: Not reported  
Discover Date: 1/1/1986  
Enforcement DI: Not reported  
Enf Type: Not reported  
Enter Date: 4/8/1987  
Funding: 0  
Staff Initials: UST  
How Discovered: OM  
How Stopped: Not reported  
Interim: No  
Leak Cause: Other Cause  
Leak Source: LINK  
MTBE Date: Not reported  
Max MTBE GW: Not reported  
MTBE Treated: Site NOT Tested for MTBE includes Unknown and Not Analyzed.  
Priority: Not reported  
Local Case #: Not reported  
Beneficial: Not reported  
Staff: BUC  
GW Qualifier: Not reported  
Max MTBE Soil: Not reported  
Soil Qualifier: Not reported  
Hydr Basin #: 4.13  
Operator: Not reported  
Overnight Pym: RB Lead Underground Storage Tank  
Oversight Pym: UST  
Review Date: 5/29/2002



Map ID  
Direction  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)

EPA ID Number  
EPA ID Number

CHEVRON SERVICE STATION #9-4274 (Continued)

Stop Date: 10/11/1986

Work Suspended: Not reported

Responsible Party: PANYMARK LAFERTY

RP Address: PO BOX 5504

Global ID: T080700191

Org Name: Not reported

Contact Person: Not reported

MTBE Conc: 0

Mile Fuel: 1

Water System Name: Not reported

Well Name: Not reported

Distance To LUST: 0

Waste Discharge Global ID: Not reported

Waste Disc/Assigned Name: Not reported

LUST Region 3:

Case Number: 2821

Cross Street: CLIFF DR

Responsible Party: PANYMARK LAFERTY

Local Agency: 03

Discovered: 01/01/1985

How Found: Not reported

Source: Other

Cause: Other Cause

Lead Agency: Local Agency

Case Type: Soil only

Contact: Not reported

Facility Status: Case Closed

Facility County: Santa Cruz

Review Date: 5/29/02

Confirm Leak: 01/01/1975

Prism Asses: / /

Remedial Plan: / /

Monitoring: Not reported

Enforce Type: Not reported

Enforce Date: / /

Interim Action: 0

Mile Concentration: 1

Org Name: Not reported

Max MTBE Ground Water: Not reported

Max MTBE Soil: Not reported

Max MTBE Date: / /

MTBE Tested: NT

Lat/Long: 36.8782466 / -121.9067808

Soil Qualifier: Not reported

Groundwater Qualifier: Not reported

Summary: Not reported

RELEASE MAY HAVE BEEN FROM FACILITIES REPLACED IN 1980'S BEFORE

SAMPLING WAS REQUIRED. NO FURTHER ACTION, SOIL ONLY SITE, CLOSED BY

SCHSA.

Release Date: 02/13/1987

Enter Date: 4/9/87

Regional Board: Central Coast Region

Stop Date: 10/1/86

How Stopped: Not reported

Staff Initials: BUC

Funding: 0

Workplan: / /

Pollution Char: / /

Remedial Action: / /

Case Date: 05/24/2002

Pilot Program: UST

Region: 3

Map ID  
Direction  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)

EPA ID Number  
EPA ID Number

SHELL STATION (Continued)

Site LUST:

Cross Street: Not reported

City/Locality: Not reported

Case Number: 3348

Reg Board: Central Coast Region

Chemical: Gasoline

Lead Agency: Regional Board

Local Agency: 44000

Case Type: Other ground water affected

Status: Remediation Plan

County: Santa Cruz

Review Date: Not reported

Workplan: Not reported

Pollution Char: 4/28/2002

Remedial Action: Not reported

Case Date: Not reported

Release Date: Not reported

Cleanup Fund ID: Not reported

Discovery Date: 1/11/1985

Enforcement DI: Not reported

Enf Type: LET

Enter Date: Not reported

Funding: Not reported

Staff Initials: LINK

How Discovered: OM

Interim: Not reported

Leak Cause: LINK

Leak Source: LINK

MTBE Date: 7/12/2002

MTBE GW: 1.0 Parts per Billion

MTBE Treated: MTBE Detected; Site tested for MTBE & MTBE detected

Priority: Not reported

Local Case #: Not reported

Beneficial: Not reported

Staff: TYS

GW Qualifier: <

Max MTBE Soil: Not reported

Soil Qualifier: Not reported

Hydr Basin #: Not reported

Operator: Not reported

Overnight Pgm: RB Land Underground Storage Tank

Review Date: 9/23/2002

Stop Date: Not reported

Work Suspended: Not reported

Responsible Party: KAREN BETRYNA

RP Address: PO BOX 7659

Global ID: T08071514

Org Name: Not reported

Contact Person: Not reported

MTBE Conc: 3

Mile Fuel: 1

Water System Name: Not reported

Well Name: Not reported

Distance To LUST: 0

Waste Discharge Global ID: Not reported

Confirm Leak: Not reported

Prism Asses: Not reported

Remed Plan: 4/28/2002

Monitoring: Not reported

U071600308

E15  
MNE  
14-1/2  
2207 ft.  
Higher

SHELL STATION  
18 RANCHO DEL MAR  
APTOS, CA 95003

LUST  
U071600308  
HIST UST  
N/A

Site 1 of 3 in cluster E

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EPA ID Number

SHELL STATION (Continued)

Waste Disch Assigned Name: Not reported

1001600808

Cross Street: SOQUEL DR  
City/State: Not reported  
Case Number: 369  
Reg Number: Central Coast Region  
Chemical: Waste Oil  
Local Agency: Regional Board  
Case Agency: 4400  
Case Type: Other ground water affected  
Status: Case Closed  
County: Santa Cruz  
Abate Method: Escavate and Dispose - remove contaminated soil and dispose in approved site

Confirm Leak: 9/10/1987  
Prelim Assess: Not reported  
Remed Plan: 8/15/1990  
Monitoring: 6/1/1991

Review Date: 9/10/1987  
Workplan: Not reported  
Pollution Char: 8/15/1990  
Remed Action: 8/1/1991  
Release Date: 10/15/1992  
Release Date: 9/10/1987  
Caseup End Id: Not reported  
Discover Date: 11/1/1985  
Enforcement Dt: Not reported  
Enter Date: 9/15/1987  
Funding: Responsible Party  
Staff Initials: UST  
How Discovered: Tank Closure  
How Stopped: Not reported  
Interim: No  
Leak Cause: LINK  
Leak Source: UNK  
MTBE Date: 8/21/2001  
Max MTBE GW: 1 Parts per Billion  
MTBE Tested: MTBE Detected: Site tested for MTBE & MTBE detected  
Priority: Not reported  
Local Case #: Not reported  
Beneficial: Not reported  
Staff: HDC  
GW Qualifier: <  
Max MTBE Sol: Not reported  
Soil Qualifier: Not reported  
Hydr Basin #: 4.13  
Operator: Not reported  
Overnight Prgm: R8 Lead Underground Storage Tank  
Review Date: 10/19/1992  
Stop Date: 3/17/1987  
Work Suspended: Not reported  
Responsible Party/Not reported  
RP Address: Not reported  
Global Id: T0808700200  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 1  
Mile Fuel: 0  
Water System Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EPA ID Number

SHELL STATION (Continued)

Well Name: Not reported

1001600808

Distance To Limit: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported  
LUST Region 3: 3348  
Case Number: Not reported  
Cross Street: Not reported  
Responsible Party/KAREN PETIT/NA  
Local Agency: 03  
Discover Date: 01/01/1985  
How Found: Not reported  
Source: Other  
Status: UNK  
Leak Agency: Regional Board  
Case Type: Other ground water affected  
Contact: Not reported  
Facility Status: Remediation Plan  
Facility County: Santa Cruz  
Review Date: 8/23/02  
Confirm Leak: //  
Pollution Assess: //  
Remedial Plan: 04/28/2002  
Monitoring: Not reported  
Enter Date: //  
Enforce Date: //  
Interim Action: Not reported  
Mile Concentration: Not reported  
Mile Fuel: 1  
Org Name: Not reported  
Max MTBE Ground Water: 1.0  
Max MTBE Sol: Not reported  
MTBE Date: 10/30/2002  
MTBE Tested: YES  
Leak Date: 36.97861 / -121.907635  
Soil Qualifier: Not reported  
Groundwater Qualifier: <

Staff Initials: TYS

Funding: Not reported  
Workplan: //  
Pollution Char: 08/23/2001  
Remedial Action: //  
Case Date: //  
Pilot Program: UST  
Region: 3

Summary: Hez Mail Incident report filed. SOIL CASE HAS BEEN UNDER LEAD OF COUNTY ENVIRONMENTAL HEALTH. GROUNDWATER IMPACTS DISCOVERED. LEAD CHANGE TO REGIONAL BOARD. OLD CASE NUMBER 2875. REQUEST FOR ENCROACHMENT 8/20/2002.  
Case Number: 369  
Cross Street: SOQUEL DR  
Responsible Party/Not reported  
Local Agency: 03  
Discover Date: 01/01/1985  
How Found: Tank Closure  
Source: UNK  
Leak Agency: Regional Board  
Case Type: Other ground water affected  
Contact: Not reported  
Facility Status: Case Closed  
Facility County: Santa Cruz  
Review Date: 10/19/92  
Confirm Leak: 09/10/1987  
Prelim Assess: //

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EPA ID Number

SHELL STATION (Continued)

U01600818

Remedial Plan: 08/15/1980  
Monitoring: 8/1/81  
Enforce Type: Not reported  
Enforce Date: / /  
Interim Action: 0  
Mits Concentration: 0  
Mits Fuel: 0  
Org Name: Not reported  
Max MTE Ground Water: 1  
Max MTE Soil: Not reported  
Max MTE Data: 08/21/2001  
MTE Tested: YES  
Leak/Long: 36.8792176 / -121.9024594  
Soil Qualifier: Not reported  
Groundwater Qualifier: <  
Summary: CASE CLOSED (SEE CASE NUMBER 3348)

UST HST:

Facility ID: 10847  
Tank Num: 1  
Tank Capacity: 5000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Leak Detection: Stock Inventory  
Contact Name: Not reported  
Total Tanks: 3  
Facility Type: 1  
Container Num: 1  
Year Installed: Not reported  
Tank Construction: 1/4 inches  
Telephone: (408) 888-5111  
Region: STATE  
Other Type: Not reported

Facility ID: 10847  
Tank Num: 2  
Tank Capacity: 5000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Leak Detection: Stock Inventory  
Contact Name: Not reported  
Total Tanks: 3  
Facility Type: 1  
Container Num: 2  
Year Installed: Not reported  
Tank Construction: 1/4 inches  
Telephone: (408) 888-5111  
Region: STATE  
Other Type: Not reported

Facility ID: 10847  
Tank Num: 3  
Tank Capacity: 7500  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Leak Detection: Stock Inventory  
Contact Name: Not reported  
Total Tanks: 3  
Facility Type: 1  
Container Num: 3  
Year Installed: Not reported  
Tank Construction: 1/4 inches  
Telephone: (408) 888-5111  
Region: STATE  
Other Type: Not reported

E16  
NNE  
14-1/2  
2207 ft.  
Higher  
SHELL  
18 RANCHO DEL MAR  
APTOS, CA 95003  
Site 2 of 3 in cluster E

HAZNET 5105033303  
Corries N/A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EPA ID Number

SHELL (Continued)

5105033303

HAZNET:  
Geopid: CAC0981402851  
Trepid: CAC0009868392  
Gen County: Santa Cruz  
Tad County: 7  
Tons: 1,500  
Category: Empty containers less than 30 gallons  
Disposal Method: Recycler  
Contact: EQUILON ENTERPRISES LLC  
Telephone: (713) 241-2258  
Mailing Address: PO BOX 4453  
HOUSTON, TX 77210 - 4453  
County: Santa Cruz

CORTESE:  
Reg id: 2875  
Region: CORTESE  
Reg By: Leaking Underground Storage Tanks  
Reg id: 389  
Region: CORTESE  
Reg By: Leaking Underground Storage Tanks

E17  
NNE  
14-1/2  
2207 ft.  
Higher  
SHELL BRANDED SERVICE STATION  
18 RANCHO DEL MAR  
APTOS, CA 95003  
Site 3 of 3 in cluster E

LUST 5105291649  
N/A

State LUST:

Cross Street: SOQUEL DR  
City/Lat/Long: Not reported  
Case Number: 2875  
Reg Board: Central Coast Region  
Chemical: Unleaded Gasoline  
Local Agency: 4400  
Case Type: Undefined  
Status: Case Closed  
County: Santa Cruz  
Abuse Method: No Action Required - Incident is minor, requiring no remedial action  
Release Date: Not reported  
Work Item: Not reported  
Pollution Char: Not reported  
Remedial Action: Not reported  
Release Date: 6/23/2001  
Cleaning Fund ID: Not reported  
Discovery Date: 1/1/1985  
Enforcement ID: Not reported  
Exit Type: Not reported  
Exit Date: 6/9/1986  
Funding: 0  
Staff Initials: UST  
How Discovered: OMI  
How Stopped: Not reported  
Interim: No

Map ID  
Direction  
Distance (ft.)  
Elevation  
Site  
Database(s)  
EPA ID Number

SHELL BRANDED SERVICE STATION (Continued)

8103291649

Leak Cause: UNK  
Leak Source: UNK  
MTBE Date: 10/12/2001  
Max MTBE GW: 1.8 Pounds per Billion  
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected  
Priority: Not reported  
Local Case #: Not reported  
Beneficial: Not reported  
Staff: TAS  
GW Qualifier: =  
Max MTBE Soil: Not reported  
Soil Qualifier: Not reported  
Hydr Basin #: 413  
Operator: Not reported  
Overnight Pgm: RB Lead Underground Storage Tank  
Review Date: 1/7/2002  
Stop Date: 7/13/1988  
Work Suspended: Not reported  
Responsible Party: PATON  
RP Address: PO BOX 7869  
Global ID: T0608700153  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 3  
MTBE Fuel: 1  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Last: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported  
LUST Region 3:  
Case Number: 2976  
Cross Street: SOQUEL DR  
Responsible Party: PATON  
Local Agency: 03  
Discovered: 01/01/1985  
How Found: Not reported  
Source: Other  
Cause: UNK  
Lead Agency: Local Agency  
Case Type: Undefined  
Contact: Not reported  
Facility Status: Case Closed  
Facility County: Santa Cruz  
Review Date: 1/7/02  
Confirm Leak: //  
Prelim Assess: //  
Remedial Plan: //  
Monitoring: Not reported  
Enforce Date: Not reported  
Enforce Action: Not reported  
Interim Action: Not reported  
Waste Concentration: Not reported  
Waste Fuel: 1  
Org Name: Not reported  
Max MTBE Ground Water: 1.8

Release Date: 06/05/1988  
Enter Date: 6/8/88  
Regional Board: Central Coast Region  
Stop Date: 7/13/88  
How Stopped: Not reported  
Staff Initials: TAS  
Funding: 0  
Workplan: 01/01/1975  
Pollution Char: //  
Remedial Action: 06/23/2001  
Close Date: 06/23/2001  
Pilot Program: UST  
Region: 3

Map ID  
Direction  
Distance (ft.)  
Elevation  
Site  
Database(s)  
EPA ID Number

SHELL BRANDED SERVICE STATION (Continued)

8103291649

Max MTBE Soil: Not reported  
Max MTBE Date: 10/12/2001  
MTBE Tested: YES  
Le/Long: 36.8792176 / -121.9024594  
Soil Qualifier: Not reported  
Groundwater Qualifier: =  
Summary: DETECTABLE LEVELS OF TPH, AND MTBE DETECTED BENEATH PRODUCT DISPENSERS IN SOIL AND GROUNDWATER CASE CLOSED LEAD CHANGED TO RB CASE NUMBER 3348.

18  
SE  
112-1  
2729 ft.  
Lower  
208 BEACH DRIVE  
APTOS, CA 9  
CHMIRS 810677225  
N/A

CHMIRS:  
DOT Control Number: 01-0438 DOT ID: Not reported  
DOT Hazard Class: Not reported  
Chemical Name: carbon monoxide  
Etiol of Release: Not reported  
CAS Number: Not reported  
Environmental Contamination: None Reported  
Incident Date: Not reported  
Time Completed: Not reported  
Physical State Stored: Not reported  
Release Unit: Not reported  
Container Description: Not reported  
Container Type: Not reported  
Level of Container: Not reported  
Container Capacity: Not reported  
Etiol Of Release (code): Not reported  
Agency ID Number: Not reported  
Agency Incident Number: Not reported  
OES Incident Number: 01-0438  
Times Notified: Not reported  
Surrounding Area: Not reported  
Estimated Temperature: Not reported  
Property Management: Not reported  
More Than Two Substances Involved?: Not reported  
Special Studies 1: Not reported  
Special Studies 2: Not reported  
Special Studies 3: Not reported  
Special Studies 4: Not reported  
Special Studies 5: Not reported  
Special Studies 6: Not reported  
Responding Agency Personnel # Of Injuries: 1  
Resp Agency Personnel # Of Decontaminated: Not reported  
Chain Number Of Injuries: Not reported  
Chain Number Of Fatalities: Not reported  
Vehicle Make/year: Not reported  
Vehicle License Number: Not reported

Map ID  
Direction  
Distance (ft)  
Elevation

MAP FINDINGS

Site

Database(s)  
EPA ID Number  
EPA ID Number

(Continued)

3105577525

Vehicle State : Not reported  
Vehicle ID Number : Not reported  
CADOT/PUC/CIC Number : Not reported  
Company Name : Not reported  
Reporting Officer Name/ID : Not reported  
Report Date : Not reported  
Comments : Not reported  
Facility Telephone Number : Not reported  
Waterway Involved : No  
Waterway : No  
Spill Site : Not reported  
Cleanup By : Residence  
Containment : N/A  
What Happened : Yes  
Per the NRC report, the air in a tightly sealed room was sucked in by a gas appliance causing a small fire in the chimney which released carbon monoxide in the tightly sealed room.  
Date/Time : 1/21/01 14:11  
Evacuations : 0  
Type : VAPOR  
Other : Not reported  
Chemical 1 : Not Reported  
Chemical 2 : Not Reported  
Chemical 3 : Not Reported

18  
NNE  
112-1  
4440 ft.  
Higher

SAFEMAY  
18 HANCHO DEL MAR  
APTOS, CA 95083

RCRIS-SQG 1000577647  
FINDS  
HAZNET CAD983670902  
CHMIRS

RCRIS:

Owner: SAFEMAY  
EPA ID: (510) 448-2011  
CAD983670902  
Contact: FRANK DRIVELO  
(408) 888-2775  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Facility Regulatory System (FRS)  
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID  
Direction  
Distance (ft)  
Elevation

MAP FINDINGS

Site

Database(s)  
EPA ID Number  
EPA ID Number

SAFEMAY (Continued)

1000577647

HAZNET:  
Genaid: CAD983670902  
Trepid: CAD070148432  
Gen County: Santa Cruz  
Tad County: 1  
Tone: 1 0008  
Category: Photocemicals/photoprocessing waste  
Disposal Method: Treatment, Incineration  
Contact: SAFEMAY INC  
Telephone: (510) 487-3845  
Mailing Address: 5918 STONERIDGE MALL RD  
PLEASANTON, CA 94588 - 3228  
County: Santa Cruz  
Genaid: CAD983670902  
Trepid: CAD070148432  
Gen County: Santa Cruz  
Tad County: 1  
Tone: 2 3768  
Category: Photocemicals/photoprocessing waste  
Disposal Method: Treatment, Incineration  
Contact: SAFEMAY INC  
Telephone: (510) 487-3845  
Mailing Address: 5918 STONERIDGE MALL RD  
PLEASANTON, CA 94588 - 3228  
County: Santa Cruz  
Genaid: CAD983670902  
Trepid: CAD070148432  
Gen County: Santa Cruz  
Tad County: 1  
Tone: 5004  
Category: Photocemicals/photoprocessing waste  
Disposal Method: Transfer Station  
Contact: SAFEMAY INC  
Telephone: (510) 487-3845  
Mailing Address: 5918 STONERIDGE MALL RD  
PLEASANTON, CA 94588 - 3228  
County: Santa Cruz

Map ID  
Direction  
Distance  
Elevation  
Site

Database(s)  
EPA ID Number

SAFEMAY (Continued)

Geopid: CAD983870902  
Tapeid: CA000084517  
Gen County: Santa Cruz  
Tad County: Sacramento  
Tons: 2.8773  
Category: Photocemicalphodoprocessing waste  
Disposal Method: Transfer Station  
Contact: SAFEMAY INC  
Telephone: (510) 487-3845  
Mailing Address: 5815 STONERIDGE MALL RD  
PLEASANTON, CA 94588 - 3228  
County: Santa Cruz

The CA HAZNET database contains 8 additional records for this site.  
Please contact your EDR Account Executive for more information.

CHMIRS:

OES Control Number: 00-1150 DOT ID: Not reported  
DOT Hazard Class: Not Reported  
Chemical Name: Grease/animal  
Exempt of Release: Not reported  
CAS Number: Not reported  
Environmental Contamination: None Reported  
Incident Date: Not reported  
Time Completed: Not reported  
Physical State Stored: Not reported  
Physical State Released: Not reported  
Release Unit: Not reported  
Container Description: Not reported  
Container Type: Not reported  
Level Of Container: Not reported  
Container Capacity: Not reported  
Exempt Of Release (code): Not reported  
Agency ID Number: Not reported  
OES Incident Number: Not reported  
Time Notified: Not reported  
Surrounding Area: Not reported  
Estimated Temperature: Not reported  
Property Management: Not reported  
More Than Two Substances Involved?: Not reported  
Special Studies 1: Not reported  
Special Studies 2: Not reported  
Special Studies 3: Not reported  
Special Studies 4: Not reported  
Special Studies 5: Not reported  
Special Studies 6: Not reported  
Responding Agency Personnel # Of Injuries: 0  
Resp Agency Personnel # Of Fatalities: 0  
Others Number Of Injuries: Not reported  
Others Number Of Fatalities: Not reported  
Vehicle Make/Year: Not reported  
Vehicle License Number: Not reported

Map ID  
Direction  
Distance  
Elevation  
Site

Database(s)  
EPA ID Number

SAFEMAY (Continued)

Vehicle State: Not reported  
Vehicle Id Number: Not reported  
CADOT/PUC/ICC Number: Not reported  
Company Name: Not reported  
Reporting Officer Name/ID: Not reported  
Report Date: Not reported  
Comments: Not reported  
Facility Telephone Number: Not reported  
Waterway Involved: Yes  
Waterway: Storm Drain  
Spill Site: Contradict  
Cleanup By: Merchant/Business  
Containment: Yes  
What Happened: Yellow bin knocked over by a delivery truck  
Date/Time: 3/10/00 730  
Evacuations: 0  
Type: UNSPECIFIED  
Other: animal  
Chemical 1: Not Reported  
Chemical 2: Not Reported  
Chemical 3: Not Reported

20  
NE  
1/2-1  
4457 ft.  
Higher

600 CATHEDRAL DRIVE  
APTOS, CA 0

CHMIRS:

OES Control Number: 97-0021 DOT ID: Not reported  
DOT Hazard Class: Not Reported  
Chemical Name: Insulating oil/so pbn PCB's  
Exempt of Release: Not reported  
CAS Number: Not reported  
Environmental Contamination: None Reported  
Incident Date: Not reported  
Time Completed: Not reported  
Physical State Stored: Not reported  
Physical State Released: Not reported  
Release Unit: Not reported  
Container Description: Not reported  
Container Type: Not reported  
Level Of Container: Not reported  
Container Capacity: Not reported  
Exempt Of Release (code): Not reported  
Agency ID Number: Not reported  
OES Incident Number: Not reported  
Time Notified: 97-0021  
Surrounding Area: Not reported  
Estimated Temperature: Not reported  
Property Management: Not reported  
More Than Two Substances Involved?: Not reported  
Special Studies 1: Not reported  
Special Studies 2: Not reported

CHMIRS 510662589  
N/A

Map ID  
Direction  
Distance  
Distance (ft)  
Elevation

Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

8103652859

(Continued)

Special Studies 3: Not reported  
Special Studies 4: Not reported  
Special Studies 5: Not reported  
Special Studies 6: Not reported  
Special Studies 7: Not reported  
Responding Agency Personnel # Of Injuries: 0  
Responding Agency Personnel # Of Fatalities: 0  
Other Number Of Decontaminated: Not reported  
Other Number Of Injuries: Not reported  
Other Number Of Fatalities: Not reported  
Vehicle Make/Year: Not reported  
Vehicle License Number: Not reported  
Vehicle State: Not reported  
Vehicle ID Number: Not reported  
CA/DOT/PU/CIC/CC Number: Not reported  
Company Name: Not reported  
Reporting Officer Name/ID: Not reported  
Report Date: Not reported  
Comments: Not reported  
Facility Telephone Number: Not reported  
Wetway Involved: Yes  
Wetway: storm drain  
Spill Site: Road  
Cleanup By: Not reported  
Containment: No  
What Happened: Tree fell over sitting a pole in half, transformer fell down the hill. Transformer oil went into a storm drain. Assuming maximum PCB's until lab results are returned. Transformer relieved, no other cleanup feasible due to weather conditions.  
Date/Time: 12/97 600  
Evacuations: 0  
Type: PETROLEUM  
Other: Not reported  
Chemical 1: Not Reported  
Chemical 2: Not Reported  
Chemical 3: Not Reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
APTOS	S103961268	DPR SEACLIFF STATE BEACH	HWY 1 / STATE PARK DR	95003	HAZNET
APTOS	S104588629	P G & E	HWY 1 AT FREEDOM BLVD/SEASCAPE SUBST/	95003	HAZNET
APTOS	U001800803	POTBELLY BEACH CLUB	APTOS	95003	HIST UST
APTOS	S101624026	POTBELLY BEACH CLUB	APTOS	95003	CA FID UST
APTOS	2001554285	206 BEACH DR	206 BEACH DR		ERNS
APTOS	2001567332	MATERIAL IS 1/3 MILE OFFSHORE	MATERIAL IS 1/3 MILE OFFSHORE		ERNS
APTOS	91236859	HWY SB 1/BETW PARK AVE & STATE PARK DR	HWY SB 1/BETW PARK AVE & STATE PARK DR		ERNS
RIO DEL MAR	S103291443	BCCSD RIO PUMPING STATION	CLIFF DR	95003	LUST, Cortese
SEACLIFF	S100351735	SEACLIFF TRAIN DERAILMENT	INTERSECTION HWY 101 / HWY 1	95003	Cal-Sites



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

### FEDERAL ASTM STANDARD RECORDS

#### NPL: National Priority List

Source: EPA  
Telephone: N/A  
National Priorities List (Superfund) The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.  
Date of Government Version: 01/28/03  
Date Made Active at EDR: 03/04/03  
Database Release Frequency: Semi-Annually  
Date of Data Arrival at EDR: 02/04/03  
Elapsed ASTM days: 28  
Date of Last EDR Contact: 02/04/03

#### NPL Site Boundaries

Sources:  
EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333  
EPA Region 1  
Telephone: 617-316-1143  
EPA Region 3  
Telephone: 215-514-5418  
EPA Region 4  
Telephone: 404-562-8033  
EPA Region 6  
Telephone: 214-655-8659  
EPA Region 8  
Telephone: 303-312-6774

#### Proposed NPL: Proposed National Priority List Sites

Source: EPA  
Telephone: N/A

Date of Government Version: 01/28/03  
Date Made Active at EDR: 03/04/03  
Database Release Frequency: Semi-Annually  
Date of Data Arrival at EDR: 02/04/03  
Elapsed ASTM days: 28  
Date of Last EDR Contact: 02/04/03

#### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA  
Telephone: 703-413-0223  
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.  
Date of Government Version: 03/19/03  
Date Made Active at EDR: 04/08/03  
Database Release Frequency: Quarterly  
Date of Data Arrival at EDR: 03/24/03  
Elapsed ASTM days: 15  
Date of Last EDR Contact: 03/24/03

#### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA  
Telephone: 703-413-0223  
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/19/03  
Date Made Active at EDR: 04/08/03  
Database Release Frequency: Quarterly  
Date of Data Arrival at EDR: 03/24/03  
Elapsed ASTM days: 15  
Date of Last EDR Contact: 03/24/03

#### CORRECTS: Corrective Action Report

Source: EPA  
Telephone: 800-424-8346  
CORRECTS identifies hazardous waste handlers with RCRA corrective action activity.  
Date of Government Version: 01/15/03  
Date Made Active at EDR: 03/04/03  
Database Release Frequency: Semi-Annually  
Date of Data Arrival at EDR: 01/21/03  
Elapsed ASTM days: 42  
Date of Last EDR Contact: 03/10/03

#### RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS  
Telephone: 800-424-8346  
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).  
Date of Government Version: 09/09/02  
Date Made Active at EDR: 10/28/02  
Database Release Frequency: Varies  
Date of Data Arrival at EDR: 09/24/02  
Elapsed ASTM days: 34  
Date of Last EDR Contact: 03/07/03

#### ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard  
Telephone: 202-260-2342  
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.  
Date of Government Version: 12/31/01  
Date Made Active at EDR: 07/15/02  
Database Release Frequency: Annually  
Date of Data Arrival at EDR: 07/20/02  
Elapsed ASTM days: 13  
Date of Last EDR Contact: 01/27/03

### FEDERAL ASTM SUPPLEMENTAL RECORDS

#### BRS: Biennial Reporting System

Source: EPA/NTIS  
Telephone: 800-424-8346  
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.  
Date of Government Version: 12/31/89  
Database Release Frequency: Biennially  
Date of Last EDR Contact: 03/17/03  
Date of Next Scheduled EDR Contact: 08/18/03

#### CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices  
Telephone: Varies  
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.  
Date of Government Version: N/A  
Database Release Frequency: Varies  
Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

#### RDO: Records Of Decision

Source: EPA  
Telephone: 703-416-0223  
Record of Decision. RDO documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Date of Government Version:** 01/09/03  
**Database Release Frequency:** Annually  
**DELETED NPL:** National Priority List Deletions  
**Source:** EPA  
**Telephone:** N/A  
 The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425 (e), sites may be deleted from the NPL where no further response is appropriate.  
**Date of Government Version:** 01/29/03  
**Database Release Frequency:** Quarterly  
**Date of Last EDR Contact:** 02/04/03  
**Date of Next Scheduled EDR Contact:** 05/05/03

**FINIS:** Facility Index System/Facility Identification Initiative Program Summary Report  
**Source:** EPA  
**Telephone:** N/A  
 Facility Index System: FINIS contains both facility information and "pointers" to other sources that contain more detail. EDR includes the following FINIS databases in this report: PCS (Permit Compliance System), AIFS (Automatic Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).  
**Date of Government Version:** 01/14/03  
**Database Release Frequency:** Quarterly  
**Date of Last EDR Contact:** 01/06/03  
**Date of Next Scheduled EDR Contact:** 04/07/03

**HMIRS:** Hazardous Materials Information Reporting System  
**Source:** U.S. Department of Transportation  
**Telephone:** 202-368-4555  
 Hazardous Materials Incident Report System: HMIRS contains hazardous material spill incidents reported to DOT.  
**Date of Government Version:** 11/30/02  
**Database Release Frequency:** Annually  
**Date of Last EDR Contact:** 01/23/03  
**Date of Next Scheduled EDR Contact:** 04/21/03

**MLTS:** Material Licensing Tracking System  
**Source:** Nuclear Regulatory Commission  
**Telephone:** 301-415-7189  
 MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.  
**Date of Government Version:** 01/16/03  
**Database Release Frequency:** Quarterly  
**Date of Last EDR Contact:** 01/06/03  
**Date of Next Scheduled EDR Contact:** 04/07/03

**MINES:** Mines Master Index File  
**Source:** Department of Labor, Mine Safety and Health Administration  
**Telephone:** 303-231-5859  
**Date of Government Version:** 09/10/02  
**Database Release Frequency:** Semi-Annually  
**Date of Last EDR Contact:** 03/31/03  
**Date of Next Scheduled EDR Contact:** 08/30/03

**NPL LENS:** Federal Superfund Liens  
**Source:** EPA  
**Telephone:** 205-564-4287  
 Federal Superfund Liens: Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.  
**Date of Government Version:** 01/09/03  
**Database Release Frequency:** Annually  
**Date of Last EDR Contact:** 02/27/03  
**Date of Next Scheduled EDR Contact:** 05/26/03

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Date of Government Version:** 10/15/91  
**Database Release Frequency:** No Update Planned  
**PADS:** PCB Activity Database System  
**Source:** EPA  
**Telephone:** 202-564-3887  
 PCB Activity Database: PADS identifies generators, transporters, commercial stores and/or brokers and disposers of PCBs who are required to notify the EPA of such activities.  
**Date of Government Version:** 12/17/02  
**Database Release Frequency:** Annually  
**Date of Last EDR Contact:** 02/10/03  
**Date of Next Scheduled EDR Contact:** 05/12/03

**RAATS:** RCRA Administrative Action Tracking System  
**Source:** EPA  
**Telephone:** 202-564-4104  
 RCRA Administrative Action Tracking System: RAATS contains records based on enforcement actions issued under RCRA pending to major violations and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1989, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.  
**Date of Government Version:** 04/17/95  
**Database Release Frequency:** No Update Planned  
**Date of Last EDR Contact:** 03/10/03  
**Date of Next Scheduled EDR Contact:** 08/09/03

**TRIS:** Toxic Chemical Release Inventory System  
**Source:** EPA  
**Telephone:** 202-260-1531  
 Toxic Release Inventory System: TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.  
**Date of Government Version:** 12/31/00  
**Database Release Frequency:** Annually  
**Date of Last EDR Contact:** 03/25/03  
**Date of Next Scheduled EDR Contact:** 08/23/03

**TSCA:** Toxic Substances Control Act  
**Source:** EPA  
**Telephone:** 202-260-5521  
 Toxic Substances Control Act: TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.  
**Date of Government Version:** 12/31/98  
**Database Release Frequency:** Every 4 Years  
**Date of Last EDR Contact:** 03/06/03  
**Date of Next Scheduled EDR Contact:** 08/09/03

**FTS INSP:** FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
**Source:** EPA  
**Telephone:** 202-564-2501  
**Date of Government Version:** 01/23/03  
**Database Release Frequency:** Quarterly  
**Date of Last EDR Contact:** 08/24/03  
**Date of Next Scheduled EDR Contact:** 08/23/03

**SSTS:** Section 7 Tracking System  
**Source:** EPA  
**Telephone:** 202-564-4008  
 Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829), requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.  
**Date of Government Version:** 12/31/00  
**Database Release Frequency:** Annually  
**Date of Last EDR Contact:** 01/21/03  
**Date of Next Scheduled EDR Contact:** 04/21/03

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**FTTS: FIFRA TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
**Source:** EPA/Office of Prevention, Pesticides and Toxic Substances  
**Telephone:** 202-564-2501  
**FTTS** tracks environmental cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.  
**Date of Government Version:** 01/28/03  
**Database Release Frequency:** Quarterly  
**Date of Last EDR Contact:** 03/24/03  
**Date of Next Scheduled EDR Contact:** 06/23/03

### STATE OF CALIFORNIA ASTM STANDARD RECORDS

**AWP: Annual Workplan Sites**  
**Source:** California Environmental Protection Agency  
**Telephone:** 916-323-3400  
**Known Hazardous Waste Sites:** California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.  
**Date of Government Version:** 01/06/03  
**Date Made Active at EDR:** 01/28/03  
**Database Release Frequency:** Annually  
**Date of Data Arrival at EDR:** 01/06/03  
**Elapsed ASTM days:** 22  
**Date of Last EDR Contact:** 01/06/03

**CAL-STTES: Caltrans Database**  
**Source:** Department of Toxic Substance Control  
**Telephone:** 916-323-3400  
**The Caltrans database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Caltrans database.**  
**Date of Government Version:** 02/28/03  
**Date Made Active at EDR:** 03/21/03  
**Database Release Frequency:** Quarterly  
**Date of Data Arrival at EDR:** 03/21/03  
**Elapsed ASTM days:** 10  
**Date of Last EDR Contact:** 03/21/03

**CHMIRS: California Hazardous Material Incident Report System**  
**Source:** Office of Emergency Services  
**Telephone:** 916-545-5400  
**California Hazardous Material Incident Reporting System:** CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).  
**Date of Government Version:** 12/31/01  
**Date Made Active at EDR:** 01/15/03  
**Database Release Frequency:** Varies  
**Date of Data Arrival at EDR:** 12/30/02  
**Elapsed ASTM days:** 44  
**Date of Last EDR Contact:** 02/24/03

**CORTESE: "Corse" Hazardous Waste & Substances Sites List**  
**Source:** CAL EPA/Office of Emergency Information  
**Telephone:** 916-323-8100  
**The sites for the list are designated by the State Water Resources Control Board (LUST), the Integrated Waste Board (SWFLS), and the Department of Toxic Substances Control (Cal-Sites).**  
**Date of Government Version:** 04/01/01  
**Date Made Active at EDR:** 07/26/01  
**Database Release Frequency:** No Update Planned  
**Date of Data Arrival at EDR:** 05/29/01  
**Elapsed ASTM days:** 58  
**Date of Last EDR Contact:** 02/18/03

**NOTIFY 65: Proposition 65 Records**  
**Source:** State Water Resources Control Board  
**Telephone:** 916-445-3948  
**Proposition 65 Notification Records:** NOTIFY 65 contains facility notifications about any releases which could impact drinking water and thereby expose the public to a potential health risk.  
**Date of Data Arrival at EDR:** 07/27/84  
**Elapsed ASTM days:** 5  
**Date of Last EDR Contact:** 06/31/84

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Date of Government Version:** 10/21/83  
**Date Made Active at EDR:** 11/19/83  
**Database Release Frequency:** No Update Planned  
**Date of Data Arrival at EDR:** 11/01/83  
**Elapsed ASTM days:** 18  
**Date of Last EDR Contact:** 01/20/03

**TOXIC PITS: Toxic Pits Cleanup Act Sites**  
**Source:** State Water Resources Control Board  
**Telephone:** 916-227-4364  
**Toxic PITS Cleanup Act Sites:** TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.  
**Date of Government Version:** 07/01/85  
**Date Made Active at EDR:** 06/25/85  
**Database Release Frequency:** No Update Planned  
**Date of Data Arrival at EDR:** 08/30/85  
**Elapsed ASTM days:** 27  
**Date of Last EDR Contact:** 02/03/03

**SWFLF (SWMP): Solid Waste Information System**  
**Source:** Integrated Waste Management Board  
**Telephone:** 916-341-6320  
**Active Closed and Inactive Landfills:** SWFLF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.  
**Date of Government Version:** 03/14/03  
**Date Made Active at EDR:** 04/04/03  
**Database Release Frequency:** Quarterly  
**Date of Data Arrival at EDR:** 03/17/03  
**Elapsed ASTM days:** 18  
**Date of Last EDR Contact:** 03/17/03

**WMUUDS/SWAT: Waste Management Unit Database**  
**Source:** State Water Resources Control Board  
**Telephone:** 916-227-4448  
**Waste Management Unit Database System:** WMUUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interrelated Parties Information.  
**Date of Government Version:** 04/01/00  
**Date Made Active at EDR:** 05/10/00  
**Database Release Frequency:** Quarterly  
**Date of Data Arrival at EDR:** 04/10/00  
**Elapsed ASTM days:** 30  
**Date of Last EDR Contact:** 03/17/03

**LUST: Leaking Underground Storage Tank Information System**  
**Source:** State Water Resources Control Board  
**Telephone:** 916-341-5740  
**Leaking Underground Storage Tank Incident Reports:** LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.  
**Date of Government Version:** 01/06/03  
**Date Made Active at EDR:** 02/04/03  
**Database Release Frequency:** Quarterly  
**Date of Data Arrival at EDR:** 01/06/03  
**Elapsed ASTM days:** 27  
**Date of Last EDR Contact:** 01/09/03

**CA BOND EXP. PLAN: Bond Expenditure Plan**  
**Source:** Department of Health Services  
**Telephone:** 916-255-2118  
**Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.**  
**Date of Government Version:** 01/01/89  
**Date Made Active at EDR:** 08/02/84  
**Database Release Frequency:** No Update Planned  
**Date of Data Arrival at EDR:** 07/27/84  
**Elapsed ASTM days:** 5  
**Date of Last EDR Contact:** 06/31/84

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CA UST:

### UST: Active UST Facilities

Source: SHRCOS

Telephone: 916-341-5700

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/08/03

Date Made Active at EDR: 01/28/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/08/03  
Elapsed ASTM days: 20  
Date of Last EDR Contact: 01/08/03

### VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have requested that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 02/28/03

Date Made Active at EDR: 04/04/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/05/03  
Elapsed ASTM days: 30  
Date of Last EDR Contact: 03/05/03

### INDIAN UST: Underground Storage Tanks on Indian Land

Source: EPA Region 9

Telephone: 415-912-3588

Date of Government Version: N/A

Date Made Active at EDR: N/A

Database Release Frequency: Varies

Date of Data Arrival at EDR: N/A  
Elapsed ASTM days: 0  
Date of Last EDR Contact: N/A

### CA FID UST: Facility Inventory Database

Source: California Environmental Protection Agency

Telephone: 916-445-6532

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resources Control Board. Refer to local county source for current data.

Date of Government Version: 10/31/94

Date Made Active at EDR: 08/28/95

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/05/95  
Elapsed ASTM days: 24  
Date of Last EDR Contact: 12/28/98

### HIST UST: Hazardous Substance Storage Container Database

Source: State Water Resources Control Board

Telephone: 916-341-5700

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local county source for current data.

Date of Government Version: 10/15/90

Date Made Active at EDR: 02/12/91

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/23/91  
Elapsed ASTM days: 18  
Date of Last EDR Contact: 07/26/01

### STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

#### AST: Aboveground Petroleum Storage Tank Facilities

Source: State Water Resources Control Board

Telephone: 916-341-5712

Registered Aboveground Storage Tanks.

Date of Government Version: 03/18/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/03/03  
Date of Next Scheduled EDR Contact: 05/05/03

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CLEANERS: Cleaner Facilities

Source: Department of Toxic Substances Control

Telephone: 916-225-0873

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholstery cleaning; industrial laundries; laundry and garment services.

Date of Government Version: 03/18/02

Database Release Frequency: Annually

Date of Last EDR Contact: 01/15/03  
Date of Next Scheduled EDR Contact: 04/07/03

### CA WDS: Waste Discharge System

Source: State Water Resources Control Board

Telephone: 916-657-1571

Sites which have been issued waste discharge requirements.

Date of Government Version: 03/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/24/03  
Date of Next Scheduled EDR Contact: 06/23/03

### DEEP: List of Deep Restrictions

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

The use of recorded and use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 01/03/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/08/03  
Date of Next Scheduled EDR Contact: 04/07/03

### NFA: No Further Action Determination

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 02/28/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/11/03  
Date of Next Scheduled EDR Contact: 06/02/03

### REF: Unconfirmed Properties Referred to Another Agency

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 03/18/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/11/03  
Date of Next Scheduled EDR Contact: 06/02/03

### SGH: School Property Evaluation Program

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CUSTIS category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 02/28/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/11/03  
Date of Next Scheduled EDR Contact: 06/02/03

### NFE: Properties Needing Further Evaluation

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/28/03 Date of Last EDR Contact: 03/11/03  
Database Release Frequency: Quarterly Date of Next Scheduled EDR Contact: 06/02/03

### HAZNET: Hazardous Waste Information System

Source: California Environmental Protection Agency  
Telephone: 916-255-1138  
Facility and Manifest Data: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.  
Date of Government Version: 12/31/01  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/10/03  
Date of Next Scheduled EDR Contact: 05/12/03

### LOCAL RECORDS

#### ALAMEDA COUNTY:

Local Overnight Program Listing of UGT Cleanup Sites  
Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700

Date of Last EDR Contact: 01/27/03  
Date of Next Scheduled EDR Contact: 04/29/03

#### Underground Tanks

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Date of Government Version: 11/28/02  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/27/03  
Date of Next Scheduled EDR Contact: 04/29/03

#### CONTRA COSTA COUNTY:

##### Site List

Source: Contra Costa Health Services Department  
Telephone: 925-546-2266  
List includes sites from the underground tank, hazardous waste generator and business plant/186 programs.  
Date of Government Version: 06/05/02  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/03/03  
Date of Next Scheduled EDR Contact: 06/02/03

#### FRESNO COUNTY:

##### CUPA Resources List

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Certified Unified Program Agency: CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.  
Date of Government Version: 03/28/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/24/03  
Date of Next Scheduled EDR Contact: 05/12/03

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### KERN COUNTY:

#### Underground Storage Tank Sites & Tank Listing

Source: Kern County Environmental Health Services Department  
Telephone: 861-492-4700  
Kern County Sites and Tanks Listing.  
Date of Government Version: 03/25/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/10/03  
Date of Next Scheduled EDR Contact: 06/09/03

### LOS ANGELES COUNTY:

#### List of Solid Waste Facilities

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Date of Government Version: 03/01/03  
Database Release Frequency: Varies

Date of Last EDR Contact: 02/26/03  
Date of Next Scheduled EDR Contact: 05/19/03

#### City of El Segundo Underground Storage Tank

Source: City of El Segundo Fire Department  
Telephone: 310-607-2238  
Date of Government Version: 03/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/18/03  
Date of Next Scheduled EDR Contact: 05/19/03

#### City of Long Beach Underground Storage Tank

Source: City of Long Beach Fire Department  
Telephone: 562-570-2543  
Date of Government Version: 05/30/02  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/24/03  
Date of Next Scheduled EDR Contact: 05/26/03

#### City of Torrance Underground Storage Tank

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Date of Government Version: 02/26/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/18/03  
Date of Next Scheduled EDR Contact: 05/19/03

#### City of Los Angeles Landfills

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Date of Government Version: 03/01/02  
Database Release Frequency: Varies

Date of Last EDR Contact: 03/17/03  
Date of Next Scheduled EDR Contact: 06/16/03

#### HHS: Street Number List

Source: Department of Public Works  
Telephone: 626-458-3517  
Industrial Waste and Underground Storage Tank Sites  
Date of Government Version: 11/27/02  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/18/03  
Date of Next Scheduled EDR Contact: 05/19/03

#### Site Mitigation List

Source: Community Health Services  
Telephone: 325-480-7800  
Industrial sites that have had some sort of spill or complaint.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

<p><b>Date of Government Version:</b> 01/07/03  <b>Database Release Frequency:</b> Annually</p> <p><b>San Gabriel Valley Areas of Concern</b>  Source: EPA Region 9  Telephone: 415-972-3178  San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.  <b>Date of Government Version:</b> 12/31/98  <b>Database Release Frequency:</b> No Update Planned</p> <p><b>MAHON COUNTY:</b>  <b>Underground Storage Tank Sites</b>  Source: Public Works Department Waste Management  Telephone: 415-489-6847  Currently permitted UST's in Mahon County.  <b>Date of Government Version:</b> 03/04/03  <b>Database Release Frequency:</b> Semi-Annually</p> <p><b>MAHON COUNTY:</b>  <b>Sites With Reported Contamination</b>  Source: Napa County Department of Environmental Management  Telephone: 707-253-4288  <b>Date of Government Version:</b> 03/31/03  <b>Database Release Frequency:</b> Semi-Annually</p> <p><b>Closed and Operating Underground Storage Tank Sites</b>  Source: Napa County Department of Environmental Management  Telephone: 707-253-4288  <b>Date of Government Version:</b> 03/31/03  <b>Database Release Frequency:</b> Annually</p> <p><b>ORANGE COUNTY:</b>  <b>List of Underground Storage Tank Cleanups</b>  Source: Health Care Agency  Telephone: 714-834-3446  Orange County Underground Storage Tank Cleanups (LUST).  <b>Date of Government Version:</b> 11/04/02  <b>Database Release Frequency:</b> Quarterly</p> <p><b>List of Underground Storage Tank Facilities</b>  Source: Health Care Agency  Telephone: 714-834-3446  Orange County Underground Storage Tank Facilities (UST).  <b>Date of Government Version:</b> 11/27/01  <b>Database Release Frequency:</b> Quarterly</p> <p><b>List of Industrial Site Cleanups</b>  Source: Health Care Agency  Telephone: 714-834-3446  Petroleum and non-petroleum spills.</p>	<p><b>Date of Last EDR Contact:</b> 02/18/03  <b>Date of Next Scheduled EDR Contact:</b> 05/18/03</p> <p><b>Date of Last EDR Contact:</b> 02/03/03  <b>Date of Next Scheduled EDR Contact:</b> 05/05/03</p> <p><b>Date of Last EDR Contact:</b> 03/31/03  <b>Date of Next Scheduled EDR Contact:</b> 06/30/03</p> <p><b>Date of Last EDR Contact:</b> 03/31/03  <b>Date of Next Scheduled EDR Contact:</b> 06/30/03</p> <p><b>Date of Last EDR Contact:</b> 03/31/03  <b>Date of Next Scheduled EDR Contact:</b> 06/30/03</p> <p><b>Date of Last EDR Contact:</b> 03/14/03  <b>Date of Next Scheduled EDR Contact:</b> 06/08/03</p> <p><b>Date of Last EDR Contact:</b> 03/14/03  <b>Date of Next Scheduled EDR Contact:</b> 06/09/03</p>
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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

<p><b>Date of Government Version:</b> 10/24/00  <b>Database Release Frequency:</b> Annually</p> <p><b>PLACER COUNTY:</b>  <b>Master List of Facilities</b>  Source: Placer County Health and Human Services  Telephone: 530-585-7312  List includes aboveground tanks, underground tanks and cleanup sites.  <b>Date of Government Version:</b> 02/03/03  <b>Database Release Frequency:</b> Semi-Annually</p> <p><b>RIVERSIDE COUNTY:</b>  <b>Listings of Underground Tank Cleanup Sites</b>  Source: Department of Public Health  Telephone: 909-358-5055  Riverside County Underground Storage Tank Cleanup Sites (LUST).  <b>Date of Government Version:</b> 02/24/03  <b>Database Release Frequency:</b> Quarterly</p> <p><b>Underground Storage Tank List</b>  Source: Health Services Agency  Telephone: 909-358-5055  <b>Date of Government Version:</b> 02/24/03  <b>Database Release Frequency:</b> Quarterly</p> <p><b>SACRAMENTO COUNTY:</b>  <b>CS - Contaminated Sites</b>  Source: Sacramento County Environmental Management  Telephone: 916-875-8408  <b>Date of Government Version:</b> 10/26/02  <b>Database Release Frequency:</b> Quarterly</p> <p><b>MI - Regulatory Compliance Master List</b>  Source: Sacramento County Environmental Management  Telephone: 916-875-8408  Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.  <b>Date of Government Version:</b> 11/05/02  <b>Database Release Frequency:</b> Quarterly</p> <p><b>SAN BERNARDINO COUNTY:</b>  <b>Hazardous Material Permits</b>  Source: San Bernardino County Fire Department Hazardous Materials Division  Telephone: 909-387-3041  The listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.</p>	<p><b>Date of Last EDR Contact:</b> 03/14/03  <b>Date of Next Scheduled EDR Contact:</b> 06/09/03</p> <p><b>Date of Last EDR Contact:</b> 03/25/03  <b>Date of Next Scheduled EDR Contact:</b> 06/23/03</p> <p><b>Date of Last EDR Contact:</b> 01/20/03  <b>Date of Next Scheduled EDR Contact:</b> 04/21/03</p> <p><b>Date of Last EDR Contact:</b> 01/20/03  <b>Date of Next Scheduled EDR Contact:</b> 04/21/03</p> <p><b>Date of Last EDR Contact:</b> 02/03/03  <b>Date of Next Scheduled EDR Contact:</b> 05/05/03</p> <p><b>Date of Last EDR Contact:</b> 02/03/03  <b>Date of Next Scheduled EDR Contact:</b> 05/05/03</p>
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# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/16/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/10/03  
Date of Next Scheduled EDR Contact: 06/09/03

## SAN DIEGO COUNTY:

**Solid Waste Facilities**  
Source: Department of Health Services  
Telephone: 619-338-2209  
San Diego County Solid Waste Facilities.  
Date of Government Version: 08/01/00  
Database Release Frequency: Varies

Date of Last EDR Contact: 02/24/03  
Date of Next Scheduled EDR Contact: 05/26/03

## Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division  
Telephone: 619-338-2286  
The database includes: HES6 - This report contains the business name, site address, business phone number, establishment "H" permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HES6 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/31/02  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/29/03  
Date of Next Scheduled EDR Contact: 04/07/03

## SAN FRANCISCO COUNTY:

### Local Orientation Facilities

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3820  
Date of Government Version: 03/17/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/10/03  
Date of Next Scheduled EDR Contact: 06/09/03

### Underground Storage Tank Information

Source: Department of Public Health  
Telephone: 415-252-3820  
Date of Government Version: 03/17/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/10/03  
Date of Next Scheduled EDR Contact: 06/09/03

## SAN MATEO COUNTY:

### Fuel Leak List

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-353-1921  
Date of Government Version: 03/13/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/10/03  
Date of Next Scheduled EDR Contact: 04/28/03

### Business Inventory

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-353-1921  
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/02  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/13/03  
Date of Next Scheduled EDR Contact: 04/14/03

## SANTA CLARA COUNTY:

**Fuel Leak Site Activity Report**  
Source: Santa Clara Valley Water District  
Telephone: 408-285-2800  
Date of Government Version: 01/09/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/31/03  
Date of Next Scheduled EDR Contact: 06/30/03

### Hazardous Material Facilities

Source: City of San Jose Fire Department  
Telephone: 408-277-4659  
Date of Government Version: 01/03/02  
Database Release Frequency: Annually

Date of Last EDR Contact: 03/11/03  
Date of Next Scheduled EDR Contact: 06/09/03

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management  
Telephone: 707-421-8770  
Date of Government Version: 12/20/02  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/03  
Date of Next Scheduled EDR Contact: 06/16/03

### Underground Storage Tanks

Source: Solano County Department of Environmental Management  
Telephone: 707-421-8770  
Date of Government Version: 12/18/02  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/03  
Date of Next Scheduled EDR Contact: 06/16/03

## SONOMA COUNTY:

### Leaking Underground Storage Tank Sites

Source: Department of Health Services  
Telephone: 707-565-6565  
Date of Government Version: 01/01/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/27/03  
Date of Next Scheduled EDR Contact: 04/29/03

## SUTTER COUNTY:

### Underground Storage Tanks

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Date of Government Version: 07/01/01  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/09/03  
Date of Next Scheduled EDR Contact: 04/07/03



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## VENTURA COUNTY:

### Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division  
Telephone: 805-554-2813  
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.  
Date of Government Version: 08/01/02  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/24/03  
Date of Next Scheduled EDR Contact: 05/26/03

### Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division  
Telephone: 805-554-2813  
Ventura County Underground Storage Tank Cleanup Sites (LUST).  
Date of Government Version: 03/10/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/13/03  
Date of Next Scheduled EDR Contact: 04/14/03

### Underground Tank Closed Sites List

Source: Environmental Health Division  
Telephone: 805-554-2813  
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.  
Date of Government Version: 10/21/02  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/03  
Date of Next Scheduled EDR Contact: 06/16/03

### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division  
Telephone: 805-554-2813  
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.  
Date of Government Version: 02/11/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/03  
Date of Next Scheduled EDR Contact: 06/16/03

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health  
Telephone: 530-686-8646  
Date of Government Version: 10/28/02  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/20/03  
Date of Next Scheduled EDR Contact: 04/21/03

### California Regional Water Quality Control Board (RWQCB) LUST Records

#### LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-576-2220  
Del Norte, Humboldt, Lake, Mendocino, Modoc, Shasta, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.  
Date of Government Version: 02/01/01  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/24/03  
Date of Next Scheduled EDR Contact: 05/28/03

#### LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/01/02  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/13/03  
Date of Next Scheduled EDR Contact: 04/14/03

#### LUST REG 3: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-546-3147  
Date of Government Version: 02/19/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/18/03  
Date of Next Scheduled EDR Contact: 05/19/03

#### LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-265-6600  
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.  
Date of Government Version: 08/09/01  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/31/03  
Date of Next Scheduled EDR Contact: 06/30/03

#### LUST REG 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-255-3125  
Date of Government Version: 01/01/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/20/03  
Date of Next Scheduled EDR Contact: 04/07/03

#### LUST REG 6: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 916-542-5424  
For more current information, please refer to the State Water Resources Control Board's LUST database.  
Date of Government Version: 01/01/03  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/09/03  
Date of Next Scheduled EDR Contact: 04/07/03

#### LUST REG 6V: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Victoria Branch Office (6)  
Telephone: 760-346-7481  
Date of Government Version: 01/24/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/03  
Date of Next Scheduled EDR Contact: 04/07/03

#### LUST REG 7: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-346-7481  
Date of Government Version: 07/02/02  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/31/03  
Date of Next Scheduled EDR Contact: 06/30/03

#### LUST REG 8: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 800-782-4498  
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.  
Date of Government Version: 03/14/03  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/10/03  
Date of Next Scheduled EDR Contact: 05/12/03

#### LUST REG 8: Leaking Underground Storage Tank Report

Source: California Regional Water Quality Control Board San Diego Region (8)  
Telephone: 858-467-2880  
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## California Regional Water Quality Control Board (RWQCB) SLIC Records

<p><b>SLIC REG 1:</b> Active Toxic Site Investigations  Source: California Regional Water Quality Control Board, North Coast Region (1)  Telephone: 707-516-2220  Database Release Frequency: Semi-Annually</p>	<p>Date of Government Version: 03/01/01  Database Release Frequency: No Update Planned  Date of Last EDR Contact: 02/03/03  Date of Next Scheduled EDR Contact: 04/21/03</p>
<p><b>SLIC REG 2:</b> Spills, Leaks, Investigation &amp; Cleanup Coal Recovery Listing  Source: Regional Water Quality Control Board San Francisco Bay Region (2)  Telephone: 510-286-0457  Any contaminated site that impacts groundwater or has the potential to impact groundwater.</p>	<p>Date of Government Version: 02/01/01  Database Release Frequency: Semi-Annually  Date of Last EDR Contact: 03/11/03  Date of Next Scheduled EDR Contact: 05/28/03</p>
<p><b>SLIC REG 3:</b> Spills, Leaks, Investigation &amp; Cleanup Coal Recovery Listing  Source: California Regional Water Quality Control Board Central Coast Region (3)  Telephone: 805-545-5147  Any contaminated site that impacts groundwater or has the potential to impact groundwater.</p>	<p>Date of Government Version: 10/01/02  Database Release Frequency: Quarterly  Date of Last EDR Contact: 01/13/03  Date of Next Scheduled EDR Contact: 04/14/03</p>
<p><b>SLIC REG 4:</b> Spills, Leaks, Investigation &amp; Cleanup Coal Recovery Listing  Source: Region Water Quality Control Board Los Angeles Region (4)  Telephone: 213-575-8600  Any contaminated site that impacts groundwater or has the potential to impact groundwater.</p>	<p>Date of Government Version: 02/18/03  Database Release Frequency: Semi-Annually  Date of Last EDR Contact: 02/18/03  Date of Next Scheduled EDR Contact: 05/18/03</p>
<p><b>SLIC REG 5:</b> Spills, Leaks, Investigation &amp; Cleanup Coal Recovery Listing  Source: Regional Water Quality Control Board Central Valley Region (5)  Telephone: 916-655-3073  Unregulated sites that impact groundwater or have the potential to impact groundwater.</p>	<p>Date of Government Version: 02/01/03  Database Release Frequency: Quarterly  Date of Last EDR Contact: 01/27/03  Date of Next Scheduled EDR Contact: 04/28/03</p>
<p><b>SLIC REG 6:</b> SLIC Sites  Source: California Regional Water Quality Control Board, Lahontan Region  Telephone: 530-542-5574  Database Release Frequency: Varies</p>	<p>Date of Government Version: 03/01/03  Database Release Frequency: Varies  Date of Last EDR Contact: 03/10/03  Date of Next Scheduled EDR Contact: 06/09/03</p>
<p><b>SLIC REG 6V:</b> Spills, Leaks, Investigation &amp; Cleanup Coal Recovery Listing  Source: Regional Water Quality Control Board, Victorian Branch  Telephone: 619-241-6583  Database Release Frequency: Semi-Annually</p>	<p>Date of Government Version: 07/19/01  Database Release Frequency: Semi-Annually  Date of Last EDR Contact: 01/27/03  Date of Next Scheduled EDR Contact: 04/07/03</p>
<p><b>SLIC REG 7:</b> SLIC List  Source: California Regional Water Quality Control Board, Colorado River Basin Region  Telephone: 760-346-7491</p>	

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

<p><b>SLIC REG 8:</b> Spills, Leaks, Investigation &amp; Cleanup Coal Recovery Listing  Source: California Regional Water Quality Control Board Santa Ana Region (8)  Telephone: 909-782-3288  Database Release Frequency: Semi-Annually</p>	<p>Date of Government Version: 06/01/02  Database Release Frequency: Semi-Annually  Date of Last EDR Contact: 01/06/03  Date of Next Scheduled EDR Contact: 04/07/03</p>
<p><b>SLIC REG 9:</b> Spills, Leaks, Investigation &amp; Cleanup Coal Recovery Listing  Source: California Regional Water Quality Control Board San Diego Region (9)  Telephone: 659-467-2880  Database Release Frequency: Annually</p>	<p>Date of Government Version: 03/03/03  Database Release Frequency: Annually  Date of Last EDR Contact: 03/03/03  Date of Next Scheduled EDR Contact: 06/02/03</p>

## EDR PROPRIETARY HISTORICAL DATABASES

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

## STATE OF CALIFORNIA BROWNFIELD DATABASES RECORDS

<p><b>VCP:</b> Voluntary Cleanup Program Properties  Source: Department of Toxic Substances Control  Telephone: 916-323-3400  Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.</p>	<p>Date of Government Version: 02/28/03  Database Release Frequency: Quarterly  Date of Last EDR Contact: 03/05/03  Date of Next Scheduled EDR Contact: 06/02/03</p>
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## OTHER DATABASES

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as Geobase Digital Line Graphs from 1:100,000 Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1989 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

### STREET AND ADDRESS INFORMATION

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## GEOCHECK®: PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

VISTOR CTR-SITE #3/SEACLIFF STATE BEACH  
SANTA CRUZ AVENUE/BROADWAY  
APTOS, CA 95003

### TARGET PROPERTY COORDINATES

Latitude (North): 36.973598 - 36° 58' 25.0"  
Longitude (West): 121.911400 - 121° 54' 41.0"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 596996.8  
UTM Y (Meters): 4092294.2

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3, Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained. Pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property, such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property:  
Source: USGS 7.5 min quad index 2436121-H8 SOQUEL, CA

### GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General South

Source: General Topographic Gradient has been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of dose proximity should be field verified.

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

Target Property County: FENMA Flood  
SANTA CRUZ, CA Electronic Data  
YES - refer to the Overview Map and Detail Map

### Flood Plain Panel at Target Property:

0603530360B

### Additional Panels in search area:

Not Reported

### NATIONAL WETLAND INVENTORY

NWI Quad at Target Property: NWI Electronic  
SOQUEL Data Coverage  
YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Site-Specific Hydrogeological Data:

Search Radius: 2.0 miles  
Status: Not found

### AQUIFLOW®

Search Radius: 2,000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID: LOCATION: GENERAL DIRECTION:  
20 FROM TP: GROUNDWATER FLOW  
1 - 2 Miles East NW

For additional site information, refer to Physical Setting Source Map Findings.

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### ROCK STRATIGRAPHIC UNIT

Era:	Geologic	Category:
System:	Tertiary	Stratified Sequence
Series:	Pliocene	
Code:	TP (decoded above as Era, System & Series)	

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Andri and W.J. Bawiec, Geology of the Sacramento U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Belkman Map, USGS Digital Data Series DDS - 11 (1994).

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STAISGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STAISGO data.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Component Name: WATSONVILLE

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information						
	Boundary			Classification		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)
1	0 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soil.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60 Max: 7.30 Min: 5.60
2	18 inches	39 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soil.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), lean Clay	Max: 0.08 Min: 0.00 Max: 8.40 Min: 5.60
3	39 inches	63 inches	sandy clay loam	Silt-clay Materials (more than 35 pct. passing No. 200), Clayey Soil.	COARSE-GRAINED SOILS, Sands, silts, clayey sand.	Max: 0.20 Min: 0.06 Max: 7.30 Min: 5.60

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subdominant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam  
clay  
gravelly - sandy loam

unweathered bedrock

Surficial Soil Types: sandy loam  
loamy sand  
clay

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Shallow Soil Types: gravelly - sandy loam  
unweathered bedrock

clay  
gravelly - sandy clay loam

silt loam  
gravelly - coarse sandy loam

loamy sand

Deeper Soil Types:

stratified  
weathered bedrock

loam

fine sand  
sandy loam  
very fine sandy loam  
unweathered bedrock

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked. In the discretion of the environmental professional, to enhance and supplement federal and state sources. Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objectives of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice. One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1,000
Federal FROS PWS	Nearest PWS within 1 mile
State Database	1,000

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS0176826	7/8 - 1/4 Mile NE
2	USGS0176756	1/4 - 1/2 Mile East
3	USGS0176827	1/4 - 1/2 Mile NW
4	USGS0176822	1/4 - 1/2 Mile ENE
5	USGS0176832	1/4 - 1/2 Mile North
13	USGS0176802	1/2 - 1 Mile NNW

### FEDERAL FROS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
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# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL FRODS PUBLIC WATER SUPPLY SYSTEM INFORMATION

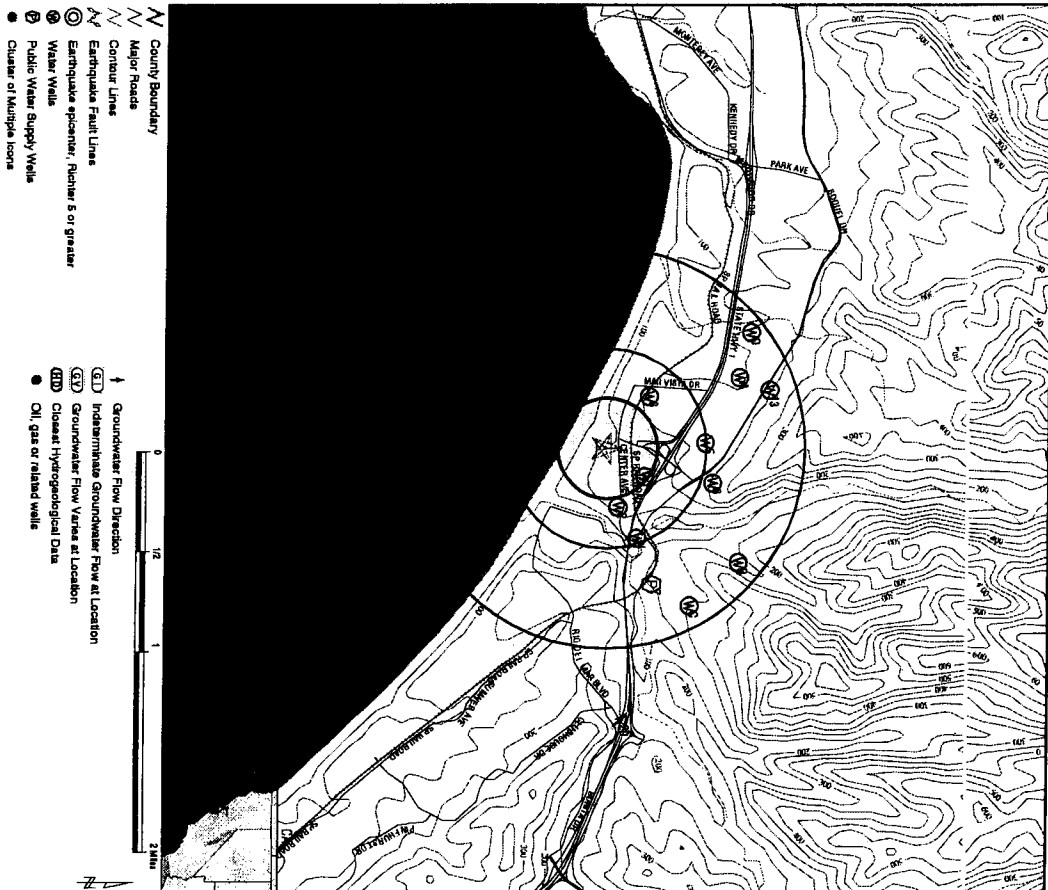
MAP ID	WELL ID	LOCATION FROM TP
7	CA2701579	1/2 - 1 Mile ENE

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	10509	1/2 - 1 Mile NNE
A8	10562	1/2 - 1 Mile NNW
A9	10563	1/2 - 1 Mile NNW
A10	10561	1/2 - 1 Mile NNW
A11	10548	1/2 - 1 Mile NNW
A12	10549	1/2 - 1 Mile NNW
B14	10510	1/2 - 1 Mile NE
B15	10511	1/2 - 1 Mile NE
C16	19977	1/2 - 1 Mile ENE
C17	19976	1/2 - 1 Mile ENE
D18	10550	1/2 - 1 Mile NW
	22552	1/2 - 1 Mile NW

## PHYSICAL SETTING SOURCE MAP - 0960024.96



**TARGET PROPERTY:**  
**ADDRESS:** Visitor Ctr-Site #3/Seacraft State Beach  
**CITY/STATE/ZIP:** Santa Cruz Avenue/Broadway  
**LAT/LONG:** 36.9736 / 121.8114

**CUSTOMER:** Wicker, Hayes, & Associates  
**CONTACT:** Pat Hoban  
**INQUIRY #:** 0960024.96  
**DATE:** April 15, 2003 11:37 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
1	NE	1/8 - 1/4 Mile	Higher	FED USGS	USGS0176425
Agency:	USGS	Site ID:	366836121542802		
Site Name:	011S001E18E003M				
Dec. Latitude:	36.87634				
Dec. Longitude:	-121.80885				
Coord Sys:	NAD83				
State:	CA				
County:	Santa Cruz County				
Altitude:	1806001				
Hydrologic code:	1806001				
Topographic:	Not Reported				
Site Type:	Ground-water other than Spring				
Coast Date:	Not Reported				
Well Type:	Single well, other than collector or Rainway Type				
Primary Aquifer:	121PRSM				
Aquifer type:	Not Reported				
Hole depth:	Not Reported				
Projected no:	Not Reported				
Well depth:	202				
Source:	Not Reported				

2	East	1/4 - 1/2 Mile	Higher	FED USGS	USGS0178756
Agency:	USGS	Site ID:	366826121541801		
Site Name:	011S001E18E001M				
Dec. Latitude:	36.8764				
Dec. Longitude:	-121.90807				
Coord Sys:	NAD83				
State:	CA				
County:	Santa Cruz County				
Altitude:	110.00				
Hydrologic code:	1806001				
Topographic:	Hillside (slope)				
Site Type:	Ground-water other than Spring				
Coast Date:	19360101				
Well Type:	Single well, other than collector or Rainway Type				
Primary Aquifer:	121PRSM				
Aquifer type:	Not Reported				
Hole depth:	Not Reported				
Projected no:	Not Reported				
Well depth:	214				
Source:	Not Reported				

3 NW 1/4 - 1/2 Mile  
Higher  
FED USGS  
USGS0176427

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

4	ENE	1/4 - 1/2 Mile	Lower	FED USGS	USGS0176422
Agency:	USGS	Site ID:	366836121545401		
Site Name:	011S001W13G001M				
Dec. Latitude:	36.87692				
Dec. Longitude:	-121.91807				
Coord Sys:	NAD83				
State:	CA				
County:	Santa Cruz County				
Altitude:	130.00				
Hydrologic code:	1806001				
Topographic:	Hillside (slope)				
Site Type:	Ground-water other than Spring				
Coast Date:	18230101				
Well Type:	Single well, other than collector or Rainway Type				
Primary Aquifer:	121PRSM				
Aquifer type:	Not Reported				
Hole depth:	330				
Projected no:	Not Reported				
Well depth:	330				
Source:	Not Reported				

5	North	1/4 - 1/2 Mile	Higher	FED USGS	USGS0176432
Agency:	USGS	Site ID:	366861121543901		
Site Name:	011S001W13A002M				
Dec. Latitude:	36.88078				
Dec. Longitude:	-121.9119				
Coord Sys:	NAD83				
State:	CA				
County:	Santa Cruz County				
Altitude:	Not Reported				
Hydrologic code:	1806001				
Topographic:	Not Reported				
Site Type:	Ground-water other than Spring				
Coast Date:	Not Reported				
Well Type:	Single well, other than collector or Rainway Type				
Primary Aquifer:	121PRSM				
Aquifer type:	Not Reported				
Hole depth:	725				
Projected no:	Not Reported				
Well depth:	713				
Source:	Not Reported				

Agency:	USGS	Site ID:	366861121543901		
Site Name:	011S001W13A002M				
Dec. Latitude:	36.88078				
Dec. Longitude:	-121.9119				
Coord Sys:	NAD83				
State:	CA				
County:	Santa Cruz County				
Altitude:	Not Reported				
Hydrologic code:	1806001				
Topographic:	Not Reported				
Site Type:	Ground-water other than Spring				
Coast Date:	Not Reported				
Well Type:	Single well, other than collector or Rainway Type				
Primary Aquifer:	121PRSM				
Aquifer type:	Not Reported				
Hole depth:	Not Reported				
Projected no:	Not Reported				
Well depth:	Not Reported				
Source:	Not Reported				

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
5	NNE	1/2 - 1 Mile	Higher	CA WELLS	10509
Water System Information:					
Prime Station Code:	11501E-18D01 M	User ID:	HEN		
FDOS Number:	4410070172	County:	Santa Cruz		
Water Type:	05	Station Type:	WELL/AMBT/MUN/INTAKE		
Source Lat/Long:	365853.0 1215426.0	Well Status:	Active Raw		
System Name:	LEDYARD WELL	Precision:	1,000 Feet (10 Seconds)		
System Number:	4410017				
Organization That Operates System:	Soquel Creek Water District				
Pop Served:	P.O. BOX 158	Connections:	12820		
Area Served:	SOQUEL, CA 95073				
Sample Information: * Only Findings Above Detection Level Are Listed					
Sample Collected:	05/24/1985	Findings:	650.000 UMHQ		
Chemical:	SPECIFIC CONDUCTANCE				
Sample Collected:	05/24/1985	Findings:	8.100		
Chemical:	PH (LABORATORY)				
Sample Collected:	05/24/1985	Findings:	239.000 MG/L		
Chemical:	BICARBONATE ALKALINITY				
Sample Collected:	05/24/1985	Findings:	197.000 MG/L		
Chemical:	TOTAL HARDNESS (AS CaCO3)				
Sample Collected:	05/24/1985	Findings:	27.000 MG/L		
Chemical:	CALCIUM				
Sample Collected:	05/24/1985	Findings:	32.000 MG/L		
Chemical:	MAGNESIUM				
Sample Collected:	05/24/1985	Findings:	67.000 MG/L		
Chemical:	SODIUM				
Sample Collected:	05/24/1985	Findings:	4.300 MG/L		
Chemical:	POTASSIUM				
Sample Collected:	05/24/1985	Findings:	59.000 MG/L		
Chemical:	CHLORIDE				
Sample Collected:	05/24/1985	Findings:	130.000 UG/L		
Chemical:	IRON				
Sample Collected:	05/24/1985	Findings:	6.000 UG/L		
Chemical:	LEAD				
Sample Collected:	05/24/1985	Findings:	70.000 UG/L		
Chemical:	MANGANESE				
Sample Collected:	05/24/1985	Findings:	379.000 MG/L		
Chemical:	TOTAL DISSOLVED SOLIDS				
Sample Collected:	04/16/1986	Findings:	2.000 UNITS		
Chemical:	COLOR				
Sample Collected:	04/16/1986	Findings:	2.000 TON		
Chemical:	ODOR THRESHOLD @ 80 C				

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/16/1986	Findings:	600.000 UMHQ		
Chemical:	SPECIFIC CONDUCTANCE				
Sample Collected:	04/16/1986	Findings:	7.900		
Chemical:	PH (LABORATORY)				
Sample Collected:	04/16/1986	Findings:	229.000 MG/L		
Chemical:	BICARBONATE ALKALINITY				
Sample Collected:	04/16/1986	Findings:	220.000 MG/L		
Chemical:	TOTAL HARDNESS (AS CaCO3)				
Sample Collected:	04/16/1986	Findings:	40.000 MG/L		
Chemical:	CALCIUM				
Sample Collected:	04/16/1986	Findings:	28.000 MG/L		
Chemical:	MAGNESIUM				
Sample Collected:	04/16/1986	Findings:	66.000 MG/L		
Chemical:	SODIUM				
Sample Collected:	04/16/1986	Findings:	4.100 MG/L		
Chemical:	POTASSIUM				
Sample Collected:	04/16/1986	Findings:	87.000 MG/L		
Chemical:	CHLORIDE				
Sample Collected:	04/16/1986	Findings:	240.000 UG/L		
Chemical:	IRON				
Sample Collected:	04/16/1986	Findings:	50.000 UG/L		
Chemical:	MANGANESE				
Sample Collected:	04/16/1986	Findings:	394.000 MG/L		
Chemical:	TOTAL DISSOLVED SOLIDS				
Sample Collected:	04/16/1986	Findings:	1.200 NTU		
Chemical:	TURBIDITY (LAB)				
Sample Collected:	04/08/1987	Findings:	2.000 UNITS		
Chemical:	COLOR				
Sample Collected:	04/08/1987	Findings:	618.000 UMHQ		
Chemical:	SPECIFIC CONDUCTANCE				
Sample Collected:	04/08/1987	Findings:	7.700		
Chemical:	PH (LABORATORY)				
Sample Collected:	04/08/1987	Findings:	200.000 MG/L		
Chemical:	TOTAL ALKALINITY (AS CaCO3)				
Sample Collected:	04/08/1987	Findings:	240.000 MG/L		
Chemical:	BICARBONATE ALKALINITY				
Sample Collected:	04/08/1987	Findings:	202.000 MG/L		
Chemical:	TOTAL HARDNESS (AS CaCO3)				
Sample Collected:	04/08/1987	Findings:	29.000 MG/L		
Chemical:	CALCIUM				
Sample Collected:	04/08/1987	Findings:	32.000 MG/L		
Chemical:	MAGNESIUM				
Sample Collected:	04/08/1987	Findings:	51.000 MG/L		
Chemical:	SODIUM				
Sample Collected:	04/08/1987	Findings:	4.500 MG/L		
Chemical:	POTASSIUM				
Sample Collected:	04/08/1987	Findings:	73.000 MG/L		
Chemical:	CHLORIDE				
Sample Collected:	04/08/1987	Findings:	540.000 UG/L		
Chemical:	IRON				



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/08/1987	Findings:	60,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/08/1987	Findings:	800 UGL
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/08/1987	Findings:	380,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/08/1987	Findings:	1,800 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/25/1988	Findings:	3,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/25/1988	Findings:	700,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/25/1988	Findings:	7,800
Chemical:	PH (LABORATORY)		
Sample Collected:	04/25/1988	Findings:	220,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/25/1988	Findings:	230,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/25/1988	Findings:	137,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/25/1988	Findings:	30,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/25/1988	Findings:	15,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/25/1988	Findings:	92,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/25/1988	Findings:	3,800 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/25/1988	Findings:	38,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/25/1988	Findings:	120 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/25/1988	Findings:	140,000 UGL
Chemical:	IRON		
Sample Collected:	04/25/1988	Findings:	400,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/25/1988	Findings:	560 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	08/02/1988	Findings:	800 UGL
Chemical:	BROMOFORM (THM)		
Sample Collected:	08/02/1988	Findings:	800 UGL
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/18/1989	Findings:	2,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/18/1989	Findings:	3,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	04/18/1989	Findings:	680,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/18/1989	Findings:	7,800
Chemical:	PH (LABORATORY)		

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/18/1988	Findings:	230,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/18/1988	Findings:	218,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/18/1988	Findings:	12,000 MGL
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	04/18/1988	Findings:	132,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/18/1988	Findings:	28,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/18/1988	Findings:	15,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/18/1988	Findings:	98,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/18/1988	Findings:	3,200 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/18/1988	Findings:	35,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/18/1988	Findings:	130,000 UGL
Chemical:	IRON		
Sample Collected:	04/18/1988	Findings:	40,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/18/1988	Findings:	- 3,000 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/18/1988	Findings:	4,300 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/18/1988	Findings:	4,000 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/18/1988	Findings:	380,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/18/1988	Findings:	800 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/28/1982	Findings:	680,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/28/1982	Findings:	79,000
Chemical:	PH (LABORATORY)		
Sample Collected:	04/28/1982	Findings:	240,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/28/1982	Findings:	240,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/28/1982	Findings:	180,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/28/1982	Findings:	29,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/28/1982	Findings:	13,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/28/1982	Findings:	110,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/28/1982	Findings:	4,500 MGL
Chemical:	POTASSIUM		

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/28/1982	Findings:	28,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/28/1982	Findings:	.110 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/28/1982	Findings:	2,800 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/28/1982	Findings:	410,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/28/1982	Findings:	320 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	08/23/1984	Findings:	2,400 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/23/1984	Findings:	5,200 PC/L
Chemical:	GROSS BETA		
Sample Collected:	08/23/1984	Findings:	3,500 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	11/01/1984	Findings:	2,700 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/10/1985	Findings:	3,500 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/10/1985	Findings:	4,500 PC/L
Chemical:	GROSS BETA		
Sample Collected:	02/10/1985	Findings:	4,900 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	03/28/1985	Findings:	650,000 UMH/O
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/28/1985	Findings:	8,100
Chemical:	PH (LABORATORY)		
Sample Collected:	03/28/1985	Findings:	220,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/28/1985	Findings:	230,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	03/28/1985	Findings:	28,000 MGL
Chemical:	CALCIUM		
Sample Collected:	03/28/1985	Findings:	38,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	03/28/1985	Findings:	56,000 MGL
Chemical:	SODIUM		
Sample Collected:	03/28/1985	Findings:	3,100 MGL
Chemical:	POTASSIUM		
Sample Collected:	03/28/1985	Findings:	42,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	03/28/1985	Findings:	6,800 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/28/1985	Findings:	3,800 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/28/1985	Findings:	270,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/28/1985	Findings:	400 NTU
Chemical:	TURBIDITY (LAB)		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
7	ENE	1/2 - 1 Mile	Higher	FRDS PWS	CA2701578
PWS ID:	CA2701578	PWS Status:	Active		
Date Initiated:	7/7/86	Date Deactivated:	Not Reported		
PWS Name:	CAMPBORA STATION ASSOCIATES				
	CAMPBORA STATION ASSOCIATES				
	101 S CAMPBORA RD				
	SOLEDO, CA 95960				
Address / Facility:	System Owner/Responsible Party				
	CAMPBORA STATION ASSOCIATES				
	118 VIA LANTANA				
	APTOS, CA 95003				
Facility Latitude:	36.58.37	Facility Longitude:	121.53.53		
City Served:	Not Reported	Population:	00000050		
Treatment Class:	Unretreated				
PWS currently has or had major violation(s) or enforcement:	No				
AS	1/2 - 1 Mile	CA WELLS	10552		
Higher					
Water System Information:					
Prime Station Code:	11S01W-13A01 M	User ID:	HEN		
FRDS Number:	4410017031	County:	Santa Cruz		
District Number:	05	Station Type:	WELL/LAABNT/ML/N/TAKESUPPLY		
Water Type:	Well/Groundwater	Well Status:	Abandoned		
Source Lat/Long:	365600.0 1215500.0	Precision:	Undefined		
Source Name:	STATE PARK DRIVE WEST - ABANDONED				
System Number:	4410017				
System Name:	Soquel Creek Water District				
Organization That Operates System:	P O BOX 156				
	SOQUEL, CA 95073	Connections:	12820		
Area Served:	36480				
	SOQUEL APTOS				
AS	1/2 - 1 Mile	CA WELLS	10553		
Higher					
Water System Information:					
Prime Station Code:	11S01W-13C01 M	User ID:	HEN		
FRDS Number:	4410017009	County:	Santa Cruz		
District Number:	05	Station Type:	WELL/LAABNT/ML/N/TAKESUPPLY		
Water Type:	Well/Groundwater	Well Status:	Abandoned		
Source Lat/Long:	365900.0 1215500.0	Precision:	Undefined		
Source Name:	HILLCREST WELL - ABANDONED				

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4410017  
 System Name: Sequel Creek Water District  
 Organization That Operates System: P.O. BOX 158  
 SOQUEL, CA 95073  
 Pop Served: 38460  
 Area Served: SOQUEL APTOS

Sample Information: \* Only Findings Above Detection Level Are Listed

Sample Collected:	07/28/1984	Findings:	1,000 UNITS
Chemical:	COLOR		
Sample Collected:	07/28/1984	Findings:	3,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	07/28/1984	Findings:	619,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/28/1984	Findings:	7,600
Chemical:	PH (LABORATORY)		
Sample Collected:	07/28/1984	Findings:	271,000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/28/1984	Findings:	292,000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	07/28/1984	Findings:	60,000 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/28/1984	Findings:	35,000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/28/1984	Findings:	41,000 MG/L
Chemical:	SODIUM		
Sample Collected:	07/28/1984	Findings:	3,700 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/28/1984	Findings:	65,000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/28/1984	Findings:	110 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	07/28/1984	Findings:	440,000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/28/1984	Findings:	1,000 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	05/22/1985	Findings:	1,000 UNITS
Chemical:	COLOR		
Sample Collected:	05/22/1985	Findings:	2,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	05/22/1985	Findings:	880,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/22/1985	Findings:	7,100
Chemical:	PH (LABORATORY)		
Sample Collected:	05/22/1985	Findings:	280,000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/22/1985	Findings:	340,000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	05/22/1985	Findings:	63,000 MG/L
Chemical:	CALCIUM		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/22/1985	Findings:	43,000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/22/1985	Findings:	21,000 MG/L
Chemical:	SODIUM		
Sample Collected:	05/22/1985	Findings:	4,000 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/22/1985	Findings:	75,000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/22/1985	Findings:	110 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	05/22/1985	Findings:	30,000 UG/L
Chemical:	MANGANESE		
Sample Collected:	05/22/1985	Findings:	480,000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/22/1985	Findings:	340 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/18/1986	Findings:	1,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/18/1986	Findings:	4,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	04/18/1986	Findings:	720,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/18/1986	Findings:	7,700
Chemical:	PH (LABORATORY)		
Sample Collected:	04/18/1986	Findings:	304,000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/18/1986	Findings:	220,000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/18/1986	Findings:	47,000 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/18/1986	Findings:	27,000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	04/18/1986	Findings:	68,000 MG/L
Chemical:	SODIUM		
Sample Collected:	04/18/1986	Findings:	4,800 MG/L
Chemical:	POTASSIUM		
Sample Collected:	04/18/1986	Findings:	48,000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/18/1986	Findings:	140 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/18/1986	Findings:	430,000 UG/L
Chemical:	IRON		
Sample Collected:	04/18/1986	Findings:	50,000 UG/L
Chemical:	MANGANESE		
Sample Collected:	04/18/1986	Findings:	230,000 UG/L
Chemical:	ZINC		
Sample Collected:	04/18/1986	Findings:	385,000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/18/1986	Findings:	560 NTU
Chemical:	TURBIDITY (LAB)		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/08/1987	Findings:	2,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/08/1987	Findings:	2,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	04/08/1987	Findings:	874,000 UMHQ
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/08/1987	Findings:	7,800
Chemical:	PH (LABORATORY)		
Sample Collected:	04/08/1987	Findings:	224,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/08/1987	Findings:	273,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/08/1987	Findings:	380,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/08/1987	Findings:	80,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/08/1987	Findings:	47,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/08/1987	Findings:	38,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/08/1987	Findings:	4,100 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/08/1987	Findings:	135,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/08/1987	Findings:	270,000 UGL
Chemical:	IRON		
Sample Collected:	04/08/1987	Findings:	50,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/08/1987	Findings:	590,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/08/1987	Findings:	870 NTU
Chemical:	TURBIDITY (LAB)		

A10  
 11/2 - 1 Mile  
 Higher  
 CA WELLS 10551

Water System Information:  
 Prime Station Code: 11501W-12001 M  
 FRDS Number: 4410017024  
 Water Type: 05  
 Source Lat Long: 365900.0 1215500.0  
 System Number: 4410017  
 System Name: Sequel Creek Water District  
 Organization That Operates System: P O BOX 158  
 SOQUEL, CA 95073  
 Pop Served: 38460  
 Area Served: SOQUEL APTOS  
 Connections: 12820

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Information: * Only Findings Above Detection Level Are Listed			
Sample Collected:	07/28/1984	Findings:	2,000 UNITS
Chemical:	COLOR		
Sample Collected:	07/28/1984	Findings:	4,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	07/28/1984	Findings:	578,000 UMHQ
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/28/1984	Findings:	7,700
Chemical:	PH (LABORATORY)		
Sample Collected:	07/28/1984	Findings:	181,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/28/1984	Findings:	191,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	07/28/1984	Findings:	27,000 MGL
Chemical:	CALCIUM		
Sample Collected:	07/28/1984	Findings:	30,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	07/28/1984	Findings:	29,000 MGL
Chemical:	SODIUM		
Sample Collected:	07/28/1984	Findings:	5,700 MGL
Chemical:	POTASSIUM		
Sample Collected:	07/28/1984	Findings:	80,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	07/28/1984	Findings:	140 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	07/28/1984	Findings:	10,000 UGL
Chemical:	LEAD		
Sample Collected:	07/28/1984	Findings:	90,000 UGL
Chemical:	MANGANESE		
Sample Collected:	07/28/1984	Findings:	321,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/28/1984	Findings:	600 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	05/22/1985	Findings:	1,000 UNITS
Chemical:	COLOR		
Sample Collected:	05/22/1985	Findings:	3,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	05/22/1985	Findings:	540,000 UMHQ
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/22/1985	Findings:	7,100
Chemical:	PH (LABORATORY)		
Sample Collected:	05/22/1985	Findings:	154,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/22/1985	Findings:	225,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	05/22/1985	Findings:	26,000 MGL
Chemical:	CALCIUM		
Sample Collected:	05/22/1985	Findings:	39,000 MGL
Chemical:	MAGNESIUM		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/22/1985	Findings:	30.000 MGL
Chemical:	SODIUM		
Sample Collected:	05/22/1985	Findings:	5.700 MGL
Chemical:	POTASSIUM		
Sample Collected:	05/22/1985	Findings:	63.000 MGL
Chemical:	CHLORIDE		
Sample Collected:	05/22/1985	Findings:	.130 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	05/22/1985	Findings:	6.000 UGL
Chemical:	SELENIUM		
Sample Collected:	05/22/1985	Findings:	314.000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/22/1985	Findings:	.860 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/16/1986	Findings:	2.000 UNITS
Chemical:	COLOR		
Sample Collected:	04/16/1986	Findings:	480.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/16/1986	Findings:	7.600
Chemical:	PH (LABORATORY)		
Sample Collected:	04/16/1986	Findings:	225.000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/16/1986	Findings:	280.000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/16/1986	Findings:	38.000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/16/1986	Findings:	32.000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/16/1986	Findings:	30.000 MGL
Chemical:	SODIUM		
Sample Collected:	04/16/1986	Findings:	3.200 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/16/1986	Findings:	30.000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/16/1986	Findings:	.140 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/16/1986	Findings:	14.000 UGL
Chemical:	LEAD		
Sample Collected:	04/16/1986	Findings:	40.000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/16/1986	Findings:	297.000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/16/1986	Findings:	28.000 MGL
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/16/1986	Findings:	.530 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/09/1987	Findings:	2.000 UNITS
Chemical:	COLOR		
Sample Collected:	04/09/1987	Findings:	2.000 TON
Chemical:	ODOR THRESHOLD @ 60 C		

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/09/1987	Findings:	577.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/09/1987	Findings:	7.500
Chemical:	PH (LABORATORY)		
Sample Collected:	04/09/1987	Findings:	184.000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/09/1987	Findings:	225.000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/09/1987	Findings:	275.000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/09/1987	Findings:	38.000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/09/1987	Findings:	30.000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/09/1987	Findings:	47.000 MGL
Chemical:	SODIUM		
Sample Collected:	04/09/1987	Findings:	5.300 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/09/1987	Findings:	58.000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/09/1987	Findings:	.160 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/09/1987	Findings:	80.000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/09/1987	Findings:	6.400 PC/L
Chemical:	GROSS BETA		
Sample Collected:	04/09/1987	Findings:	1.000 UGL
Chemical:	BROMOCHLOROMETHANE (THM)		
Sample Collected:	04/09/1987	Findings:	1.400 UGL
Chemical:	BROMOFORM (THM)		
Sample Collected:	04/09/1987	Findings:	1.600 UGL
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	04/09/1987	Findings:	1.800 UGL
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/09/1987	Findings:	380.000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/09/1987	Findings:	.660 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/09/1987	Findings:	5.800 UGL
Chemical:	TOTAL TRIHALOMETHANES		

ATTN: 112-1 Mile Higher

CA WELLS 10548

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## Water System Information:

Prime Station Code: 11S01W-12J01 M  
 FROS Number: 4410017025  
 District Number: 05  
 Water Type: Well/Groundwater  
 Source Lat/Long: 365900.0 1215500.0  
 Source Name: SEACIFF WELL 03 - ABANDONED  
 System Number: 4410017  
 System Name: Soquel Creek Water District  
 Organization That Operates System: P O BOX 158  
 SOQUEL, CA 95073

Pop Served: 38460  
 Area Served: SOQUEL, APTOS  
 Connections: 12820

A12  
 NNW  
 1/2 - 1 Mile  
 Higher  
 CA WELLS 10548

## Water System Information:

Prime Station Code: 11S01W-12K01 M  
 FROS Number: 4410017013  
 District Number: 05  
 Water Type: Well/Groundwater  
 Source Lat/Long: 365900.0 1215500.0  
 Source Name: MADELINE WELL  
 System Number: 4410017  
 System Name: Soquel Creek Water District  
 Organization That Operates System: P O BOX 158  
 SOQUEL, CA 95073

Pop Served: 38460  
 Area Served: SOQUEL, APTOS  
 Connections: 12820

## Sample Information: \* Only Findings Above Detection Level Are Listed

Sample Collected:	Findings:
Chemical: COLOR	Findings: 1,000 UNITS
Sample Collected: 05/22/1985	Findings: 4,000 TON
Chemical: ODOR THRESHOLD @ 80 C	Findings: 760,000 UMHQ
Sample Collected: 05/22/1985	Findings: 7,200
Chemical: SPECIFIC CONDUCTANCE	Findings: 304,000 MG/L
Sample Collected: 06/22/1985	Findings: 130,400 MG/L
Chemical: PH (LABORATORY)	Findings: 28,000 MG/L
Sample Collected: 05/22/1985	Findings: 14,000 MG/L
Chemical: BICARBONATE ALKALINITY	Findings: 92,000 MG/L
Sample Collected: 05/22/1985	Findings: 3,400 MG/L
Chemical: TOTAL HARDNESS (AS CaCO3)	
Sample Collected: 05/22/1985	
Chemical: CALCIUM	
Sample Collected: 05/22/1985	
Chemical: MAGNESIUM	
Sample Collected: 05/22/1985	
Chemical: SODIUM	
Sample Collected: 05/22/1985	
Chemical: POTASSIUM	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	Findings:
Chemical: 05/22/1985	Findings: 32,000 MG/L
Chemical: CHLORIDE	Findings: 300 MG/L
Sample Collected: 05/22/1985	Findings: 150,000 UGL
Chemical: FLUORIDE (TEMPERATURE DEPENDENT)	Findings: 386,000 MG/L
Sample Collected: 05/22/1985	Findings: 100 NTU
Chemical: IRON	Findings: 2,000 UNITS
Sample Collected: 05/22/1985	Findings: 610,000 UMHQ
Chemical: TOTAL DISSOLVED SOLIDS	Findings: 7,900
Sample Collected: 05/22/1985	Findings: 315,000 MG/L
Chemical: TURBIDITY (LAB)	Findings: 157,000 MG/L
Sample Collected: 04/18/1986	Findings: 35,000 MG/L
Chemical: COLOR	Findings: 17,000 MG/L
Sample Collected: 04/18/1986	Findings: 95,000 MG/L
Chemical: SPECIFIC CONDUCTANCE	Findings: 3,100 MG/L
Sample Collected: 04/18/1986	Findings: 37,000 MG/L
Chemical: PH (LABORATORY)	Findings: 430 MG/L
Sample Collected: 04/18/1986	Findings: 110,000 UGL
Chemical: BICARBONATE ALKALINITY	Findings: 397,000 MG/L
Sample Collected: 04/18/1986	Findings: 680 NTU
Chemical: TOTAL HARDNESS (AS CaCO3)	Findings: 2,000 UNITS
Sample Collected: 04/18/1986	Findings: 658,000 UMHQ
Chemical: CHLORIDE	Findings: 7,700
Sample Collected: 04/18/1986	Findings: 250,000 MG/L
Chemical: FLUORIDE (TEMPERATURE DEPENDENT)	Findings: 310,000 MG/L
Sample Collected: 04/18/1986	Findings: 180,000 MG/L
Chemical: IRON	
Sample Collected: 04/18/1986	
Chemical: TOTAL DISSOLVED SOLIDS	
Sample Collected: 04/18/1986	
Chemical: TURBIDITY (LAB)	
Sample Collected: 04/18/1986	
Chemical: COLOR	
Sample Collected: 04/18/1986	
Chemical: SPECIFIC CONDUCTANCE	
Sample Collected: 04/18/1986	
Chemical: PH (LABORATORY)	
Sample Collected: 04/18/1986	
Chemical: BICARBONATE ALKALINITY	
Sample Collected: 04/18/1986	
Chemical: TOTAL HARDNESS (AS CaCO3)	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/08/1987	Findings:	42,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/08/1987	Findings:	2,200 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/08/1987	Findings:	89,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/08/1987	Findings:	4,000 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/08/1987	Findings:	47,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/08/1987	Findings:	280 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/08/1987	Findings:	370,000 UGL
Chemical:	IRON		
Sample Collected:	04/08/1987	Findings:	1,700 UGL
Chemical:	CHLOROPFORM (THM)		
Sample Collected:	04/08/1987	Findings:	410,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/08/1987	Findings:	1,800 NTU
Chemical:	TURBIDITY (LAS)		
Sample Collected:	06/13/1988	Findings:	700,000 UMH0
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/13/1988	Findings:	7,900
Chemical:	PH (LABORATORY)		
Sample Collected:	06/13/1988	Findings:	240,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	06/13/1988	Findings:	240,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/13/1988	Findings:	34,000 MGL
Chemical:	CALCIUM		
Sample Collected:	06/13/1988	Findings:	24,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	06/13/1988	Findings:	76,000 MGL
Chemical:	SODIUM		
Sample Collected:	06/13/1988	Findings:	4,100 MGL
Chemical:	POTASSIUM		
Sample Collected:	06/13/1988	Findings:	42,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	06/13/1988	Findings:	620,000 UGL
Chemical:	IRON		
Sample Collected:	06/13/1988	Findings:	390,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/02/1988	Findings:	900 UGL
Chemical:	BROMODICHLOROMETHANE (THM)		
Sample Collected:	06/02/1988	Findings:	3,200 UGL
Chemical:	BROMOFORM (THM)		
Sample Collected:	06/02/1988	Findings:	1,200 UGL
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	06/02/1988	Findings:	800 UGL
Chemical:	CHLOROPFORM (THM)		

TC0860024.8s Page A-24

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/02/1988	Findings:	6,100 UGL
Chemical:	TOTAL TRICHALOMETHANES		
Sample Collected:	04/18/1988	Findings:	2,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/18/1988	Findings:	4,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	04/18/1988	Findings:	690,000 UMH0
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/18/1988	Findings:	7,700
Chemical:	PH (LABORATORY)		
Sample Collected:	04/18/1988	Findings:	240,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/18/1988	Findings:	240,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/18/1988	Findings:	164,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/18/1988	Findings:	34,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/18/1988	Findings:	24,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/18/1988	Findings:	80,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/18/1988	Findings:	3,500 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/18/1988	Findings:	40,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/18/1988	Findings:	200 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/18/1988	Findings:	890,000 UGL
Chemical:	IRON		
Sample Collected:	04/18/1988	Findings:	40,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/18/1988	Findings:	-3,700 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/18/1988	Findings:	4,800 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/18/1988	Findings:	4,000 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/18/1988	Findings:	330,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/18/1988	Findings:	3,300 NTU
Chemical:	TURBIDITY (LAS)		
Sample Collected:	11/07/1988	Findings:	2,300 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/28/1982	Findings:	610,000 UMH0
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/28/1982	Findings:	7,800
Chemical:	PH (LABORATORY)		
Sample Collected:	04/28/1982	Findings:	240,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/28/1992	Findings:	240,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/28/1992	Findings:	180,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/28/1992	Findings:	28,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/28/1992	Findings:	18,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/28/1992	Findings:	100,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/28/1992	Findings:	4,400 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/28/1992	Findings:	34,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/28/1992	Findings:	320 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/28/1992	Findings:	3,000 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/28/1992	Findings:	380,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/28/1992	Findings:	100 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	08/23/1994	Findings:	3,600 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/23/1994	Findings:	3,500 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	12/13/1994	Findings:	2,500 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/13/1994	Findings:	3,700 PC/L
Chemical:	GROSS BETA		
Sample Collected:	12/13/1994	Findings:	8,100 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	03/28/1995	Findings:	880,000 UAHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/28/1995	Findings:	7,900
Chemical:	PH (LABORATORY)		
Sample Collected:	03/28/1995	Findings:	280,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/28/1995	Findings:	230,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	03/28/1995	Findings:	33,000 MGL
Chemical:	CALCIUM		
Sample Collected:	03/28/1995	Findings:	24,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	03/28/1995	Findings:	85,000 MGL
Chemical:	SODIUM		
Sample Collected:	03/28/1995	Findings:	3,200 MGL
Chemical:	POTASSIUM		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/28/1995	Findings:	31,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	03/28/1995	Findings:	2,700 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/28/1995	Findings:	2,400 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/28/1995	Findings:	280,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/28/1995	Findings:	270 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	06/30/1997	Findings:	1,150 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/30/1997	Findings:	1,180 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		

13  
NNW  
1/2 - 1 Mile  
Higher

FED USGS USGS0178002

Agency:	USGS	Site ID:	365800121545601
Site Name:	0115001W/2K001M		
Dec. Latitude:	36.39651		
Dec. Longitude:	-121.81662		
Coord Sys:	NAD83		
State:	CA		
County:	Santa Cruz County		
Altitude:	180.00		
Hydrologic code:	1808001		
Topographic:	Hillslope (slope)		
Site Type:	Ground-water other than Spring		
Coral Date:	18721026		
Well Type:	Single well, other than collector or Rainy type		
Primary Aquifer:	121PRSM		
Aquifer Type:	Not Reported		
Hole depth:	1020		
Projected no:	Not Reported		

B14  
NE  
1/2 - 1 Mile  
Higher

CA WELLS 10510

## Water System Information:

Prime Station Code:	11501E-18E01 M	User ID:	HEN
FROS Number:	4410017026	County:	Santa Cruz
District Number:	05	Well/LAB/NTU/MUNIT/AKE/SUPPLY	Well/LAB/NTU/MUNIT/AKE/SUPPLY
Water Type:	WetGroundwater	Well Status:	Abandoned
Source Lat/Long:	365800.0 1215400.0	Precision:	Undefined
Source Name:	SEACLIFF WELL 04 - ABANDONED		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4410017  
 System Name: Sequel Creek Water District  
 Organization That Operates System: P.O. BOX 158  
 SOQUEL, CA 95073  
 Pop Served: 38480  
 Area Served: SOQUEL APTOS  
 Connections: 12820  
 Sample Information: \* Only Findings Above Detection Level Are Listed  
 Sample Collected: 07/26/1984  
 Chemical: DIBROMOCHLOROMETHANE (THM) Findings: 1,300 UG/L

B15  
 NE 1/4 - 1 Mile  
 Higher CA WELLS 10511

Water System Information:  
 Prime Station Code: 11S/D1E-18F01 M  
 FDCS Number: 4410017002  
 District Number: 05  
 Water Type: Well/Groundwater  
 Source Lat/Long: 369900.0 1215400.0  
 Source Name: APTOS CREEK WELL  
 System Number: 4410017  
 System Name: Sequel Creek Water District  
 Organization That Operates System: P.O. BOX 158  
 SOQUEL, CA 95073  
 Pop Served: 38480  
 Area Served: SOQUEL APTOS  
 Connections: 12820

Sample Information: \* Only Findings Above Detection Level Are Listed  
 Sample Collected: 07/26/1984 Findings: 5,000 UNITS  
 Chemical: COLOR  
 Sample Collected: 07/26/1984 Findings: 8,000 TON  
 Chemical: ODOR THRESHOLD @ 60 C  
 Sample Collected: 07/26/1984 Findings: 797,000 UMHQ  
 Chemical: SPECIFIC CONDUCTANCE  
 Sample Collected: 07/26/1984 Findings: 7,700  
 Chemical: PH (LABORATORY)  
 Sample Collected: 07/26/1984 Findings: 305,000 MG/L  
 Chemical: BICARBONATE ALKALINITY  
 Sample Collected: 07/26/1984 Findings: 273,000 MG/L  
 Chemical: TOTAL HARDNESS (AS CaCO3)  
 Sample Collected: 07/26/1984 Findings: 50,000 MG/L  
 Chemical: CALCIUM  
 Sample Collected: 07/26/1984 Findings: 36,000 MG/L  
 Chemical: MAGNESIUM  
 Sample Collected: 07/26/1984 Findings: 53,000 MG/L  
 Chemical: SODIUM  
 Sample Collected: 07/26/1984 Findings: 5,800 MG/L  
 Chemical: POTASSIUM  
 Sample Collected: 07/26/1984 Findings: 41,000 MG/L  
 Chemical: CHLORIDE

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: 07/26/1984 Findings: 130 MG/L  
 Chemical: FLUORIDE (TEMPERATURE DEPENDENT)  
 Sample Collected: 07/26/1984 Findings: 220,000 UG/L  
 Chemical: MANGANESE  
 Sample Collected: 07/26/1984 Findings: 435,000 MG/L  
 Chemical: TOTAL DISSOLVED SOLIDS  
 Sample Collected: 07/26/1984 Findings: 650 NTU  
 Chemical: TURBIDITY (LAB)  
 Sample Collected: 05/22/1985 Findings: 1,000 UNITS  
 Chemical: COLOR  
 Sample Collected: 05/22/1985 Findings: 3,000 TON  
 Chemical: ODOR THRESHOLD @ 60 C  
 Sample Collected: 05/22/1985 Findings: 650,000 UMHQ  
 Chemical: SPECIFIC CONDUCTANCE  
 Sample Collected: 05/22/1985 Findings: 7,200  
 Chemical: PH (LABORATORY)  
 Sample Collected: 05/22/1985 Findings: 281,000 MG/L  
 Chemical: BICARBONATE ALKALINITY  
 Sample Collected: 05/22/1985 Findings: 245,000 MG/L  
 Chemical: TOTAL HARDNESS (AS CaCO3)  
 Sample Collected: 05/22/1985 Findings: 36,000 MG/L  
 Chemical: CALCIUM  
 Sample Collected: 05/22/1985 Findings: 36,000 MG/L  
 Chemical: MAGNESIUM  
 Sample Collected: 05/22/1985 Findings: 30,000 MG/L  
 Chemical: SODIUM  
 Sample Collected: 05/22/1985 Findings: 5,200 MG/L  
 Chemical: POTASSIUM  
 Sample Collected: 05/22/1985 Findings: 36,000 MG/L  
 Chemical: CHLORIDE  
 Sample Collected: 05/22/1985 Findings: 130 MG/L  
 Chemical: FLUORIDE (TEMPERATURE DEPENDENT)  
 Sample Collected: 05/22/1985 Findings: 180,000 UG/L  
 Chemical: MANGANESE  
 Sample Collected: 05/22/1985 Findings: 367,000 MG/L  
 Chemical: TOTAL DISSOLVED SOLIDS  
 Sample Collected: 05/22/1985 Findings: 720 NTU  
 Chemical: TURBIDITY (LAB)  
 Sample Collected: 04/16/1986 Findings: 2,000 UNITS  
 Chemical: COLOR  
 Sample Collected: 04/16/1986 Findings: 710,000 UMHQ  
 Chemical: SPECIFIC CONDUCTANCE  
 Sample Collected: 04/16/1986 Findings: 7,600  
 Chemical: PH (LABORATORY)  
 Sample Collected: 04/16/1986 Findings: 318,000 MG/L  
 Chemical: BICARBONATE ALKALINITY  
 Sample Collected: 04/16/1986 Findings: 330,000 MG/L  
 Chemical: TOTAL HARDNESS (AS CaCO3)  
 Sample Collected: 04/16/1986 Findings: 52,000 MG/L  
 Chemical: CALCIUM

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/16/1986	Findings:	48,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/16/1986	Findings:	44,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/16/1986	Findings:	5,600 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/16/1986	Findings:	50,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/16/1986	Findings:	200 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/16/1986	Findings:	240,000 UGL
Chemical:	IRON		
Sample Collected:	04/16/1986	Findings:	380,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/16/1986	Findings:	482,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/16/1986	Findings:	4,600 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/08/1987	Findings:	659,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/08/1987	Findings:	7,800
Chemical:	PH (LABORATORY)		
Sample Collected:	04/08/1987	Findings:	261,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/08/1987	Findings:	318,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/08/1987	Findings:	270,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/08/1987	Findings:	42,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/08/1987	Findings:	41,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/08/1987	Findings:	44,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/08/1987	Findings:	5,500 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/08/1987	Findings:	44,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/08/1987	Findings:	120 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/08/1987	Findings:	280,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/08/1987	Findings:	2,000 UGL
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/08/1987	Findings:	430,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/08/1987	Findings:	1,200 NTU
Chemical:	TURBIDITY (LAB)		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/25/1988	Findings:	3,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/25/1988	Findings:	800,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/25/1988	Findings:	7,700
Chemical:	PH (LABORATORY)		
Sample Collected:	04/25/1988	Findings:	250,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/25/1988	Findings:	250,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/25/1988	Findings:	280,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/25/1988	Findings:	54,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/25/1988	Findings:	37,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/25/1988	Findings:	38,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/25/1988	Findings:	5,500 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/25/1988	Findings:	44,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/25/1988	Findings:	120 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/25/1988	Findings:	280,000 UGL
Chemical:	IRON		
Sample Collected:	04/25/1988	Findings:	330,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/25/1988	Findings:	450,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/25/1988	Findings:	840 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	11/07/1989	Findings:	2,600 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/20/1993	Findings:	1,500 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/25/1993	Findings:	680,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/25/1993	Findings:	7,400
Chemical:	PH (LABORATORY)		
Sample Collected:	05/25/1993	Findings:	240,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	05/25/1993	Findings:	290,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	05/25/1993	Findings:	41,000 MGL
Chemical:	CALCIUM		
Sample Collected:	05/25/1993	Findings:	48,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	05/25/1993	Findings:	52,000 MGL
Chemical:	SODIUM		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

C16 ENE 1/2 - 1 Mile Higher	CA WELLS	19977
Water System Information:		
Prime Station Code:	4410017-035	User ID:
FRDS Number:	4410017035	County:
District Number:	05	Station Type:
Water Type:	Well/Groundwater	Well Status:
Source Lat/Long:	365847.0 1215346.0	Precision:
Source Name:	HOPKINS WTP - TREATED	
System Number:	4410017	
System Name:	Soquel Creek Water District	
Organization That Operates System:	P O BOX 158	
Pop Served:	38460	Connections:
Area Served:	SOQUEL, CA 95073	
Sample Information:		
Sample Collected:	Only Findings Above Detection Level Are Listed	
Chemical:	04/18/1991	Findings:
Sample Collected:	GROSS ALPHA COUNTING ERROR	
Chemical:	05/02/1993	Findings:
	GROSS ALPHA COUNTING ERROR	
C17 ENE 1/2 - 1 Mile Higher	CA WELLS	19976
Water System Information:		
Prime Station Code:	4410017-034	User ID:
FRDS Number:	4410017034	County:
District Number:	05	Station Type:
Water Type:	Well/Groundwater	Well Status:
Source Lat/Long:	365847.0 1215346.0	Precision:
Source Name:	T. HOPKINS WELL	
System Number:	4410017	
System Name:	Soquel Creek Water District	
Organization That Operates System:	P O BOX 158	
Pop Served:	38460	Connections:
Area Served:	SOQUEL, CA 95073	
Sample Information:		
Sample Collected:	Only Findings Above Detection Level Are Listed	
Chemical:	04/18/1991	Findings:
Sample Collected:	SPECIFIC CONDUCTANCE	
Chemical:	04/18/1991	Findings:
Sample Collected:	PH (LABORATORY)	
Chemical:	04/18/1991	Findings:
Sample Collected:	BICARBONATE ALKALINITY	
Chemical:	04/18/1991	Findings:
Sample Collected:	CARBONATE ALKALINITY	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/16/1991	Findings:	220,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/16/1991	Findings:	30,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/16/1991	Findings:	32,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/16/1991	Findings:	52,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/16/1991	Findings:	4,700 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/16/1991	Findings:	8,000 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/16/1991	Findings:	5,500 UGL
Chemical:	ARSENIC		
Sample Collected:	04/16/1991	Findings:	1,700 PCIL
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/16/1991	Findings:	220,000 UGL
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	04/28/1992	Findings:	550,000 UHMO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/28/1992	Findings:	8,100
Chemical:	PH (LABORATORY)		
Sample Collected:	04/28/1992	Findings:	180,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/28/1992	Findings:	180,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/28/1992	Findings:	280,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/28/1992	Findings:	32,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/28/1992	Findings:	27,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/28/1992	Findings:	58,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/28/1992	Findings:	5,100 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/28/1992	Findings:	38,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/28/1992	Findings:	2,300 PCIL
Chemical:	GROSS ALPHA		
Sample Collected:	04/28/1992	Findings:	2,500 PCIL
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/28/1992	Findings:	330,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/28/1992	Findings:	180 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	09/25/1993	Findings:	1,100 PCIL
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/02/1994	Findings:	1,400 PCIL
Chemical:	GROSS ALPHA		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/02/1994	Findings:	2,800 PCIL
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/23/1994	Findings:	2,700 PCIL
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/23/1994	Findings:	8,000 PCIL
Chemical:	GROSS BETA		
Sample Collected:	08/23/1994	Findings:	3,800 PCIL
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	11/01/1994	Findings:	4,200 PCIL
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/03/1995	Findings:	620,000 UHMO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/03/1995	Findings:	7,900
Chemical:	PH (LABORATORY)		
Sample Collected:	04/03/1995	Findings:	220,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/03/1995	Findings:	230,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/03/1995	Findings:	39,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/03/1995	Findings:	31,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/03/1995	Findings:	59,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/03/1995	Findings:	5,800 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/03/1995	Findings:	44,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/03/1995	Findings:	2,800 PCIL
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/03/1995	Findings:	360,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/03/1995	Findings:	370 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/04/1995	Findings:	620,000 UHMO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/04/1995	Findings:	7,900
Chemical:	PH (LABORATORY)		
Sample Collected:	04/04/1995	Findings:	220,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/04/1995	Findings:	230,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/04/1995	Findings:	39,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/04/1995	Findings:	31,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/04/1995	Findings:	59,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/04/1995	Findings:	5,800 MGL
Chemical:	POTASSIUM		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/04/1985	Findings:	44,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/04/1985	Findings:	120,000 UGL
Chemical:	IRON		
Sample Collected:	04/04/1985	Findings:	190,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/04/1985	Findings:	360,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/04/1985	Findings:	370 NTU
Chemical:	TURBIDITY (LAB)		

D18  
NW  
1/2 - 1 Mile  
Higher

CA WELLS 10550

## Water System Information:

Prime Station Code: 11S01W-12P01 M  
FDOS Number: 4410017007  
Water Type: Well/Groundwater  
Source Lat/Long: 365903.0 1215515.0  
System Name: ESTATES WELL  
System Number: 4410017  
Organization That Operates System: Sequoia Creek Water District  
F.O. BOX 198  
SOQUEL, CA 95073

Pop Served: 38460  
Aves Served: SOQUEL APTOS  
Connections: 12820

## Sample Information: \* Only Findings Above Detection Level Are Listed

Sample Collected:	05/31/1985	Findings:	890,000 UMH0
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/31/1985	Findings:	7,300
Chemical:	PH (LABORATORY)		
Sample Collected:	05/31/1985	Findings:	303,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/31/1985	Findings:	216,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	05/31/1985	Findings:	59,000 MGL
Chemical:	CALCIUM		
Sample Collected:	05/31/1985	Findings:	18,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	05/31/1985	Findings:	88,000 MGL
Chemical:	SODIUM		
Sample Collected:	05/31/1985	Findings:	6,300 MGL
Chemical:	POTASSIUM		
Sample Collected:	05/31/1985	Findings:	41,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	05/31/1985	Findings:	350 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	05/31/1985	Findings:	100,000 UGL
Chemical:	LEAD		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/31/1985	Findings:	486,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/31/1985	Findings:	130,000 UGL
Chemical:	MERCURY		
Sample Collected:	04/16/1986	Findings:	2,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/16/1986	Findings:	2,000 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	04/16/1986	Findings:	670,000 UMH0
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/16/1986	Findings:	8,000
Chemical:	PH (LABORATORY)		
Sample Collected:	04/16/1986	Findings:	228,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/16/1986	Findings:	270,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/16/1986	Findings:	53,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/16/1986	Findings:	33,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/16/1986	Findings:	57,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/16/1986	Findings:	2,800 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/16/1986	Findings:	68,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/16/1986	Findings:	200 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/16/1986	Findings:	720,000 UGL
Chemical:	IRON		
Sample Collected:	04/16/1986	Findings:	50,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/16/1986	Findings:	428,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/16/1986	Findings:	70,000 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/09/1987	Findings:	2,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/09/1987	Findings:	2,000 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	04/09/1987	Findings:	708,000 UMH0
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/09/1987	Findings:	7,500
Chemical:	PH (LABORATORY)		
Sample Collected:	04/09/1987	Findings:	259,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/09/1987	Findings:	316,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/09/1987	Findings:	255,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/09/1987	Findings:	63,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/09/1987	Findings:	23,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/09/1987	Findings:	71,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/09/1987	Findings:	6,800 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/09/1987	Findings:	43,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/09/1987	Findings:	300 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/09/1987	Findings:	240,000 UGL
Chemical:	IRON		
Sample Collected:	04/09/1987	Findings:	180,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/09/1987	Findings:	43,000 PC/L
Chemical:	GROSS BETA		
Sample Collected:	04/09/1987	Findings:	700 UGL
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/09/1987	Findings:	640,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/09/1987	Findings:	810 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/25/1988	Findings:	6,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/25/1988	Findings:	770,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/25/1988	Findings:	7,400
Chemical:	PH (LABORATORY)		
Sample Collected:	04/25/1988	Findings:	15,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/25/1988	Findings:	15,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/25/1988	Findings:	228,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/25/1988	Findings:	70,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/25/1988	Findings:	14,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/25/1988	Findings:	65,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/25/1988	Findings:	6,800 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/25/1988	Findings:	44,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/25/1988	Findings:	280 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/25/1988	Findings:	220,000 UGL
Chemical:	IRON		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/25/1988	Findings:	140,000 UGL
Chemical:	MANGANESE		
Sample Collected:	04/25/1988	Findings:	560,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/25/1988	Findings:	210 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/18/1989	Findings:	1,000 UNITS
Chemical:	COLOR		
Sample Collected:	04/18/1989	Findings:	3,000 TON
Chemical:	ODOR THRESHOLD @ 80 C		
Sample Collected:	04/18/1989	Findings:	830,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/18/1989	Findings:	7,400
Chemical:	PH (LABORATORY)		
Sample Collected:	04/18/1989	Findings:	280,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/18/1989	Findings:	280,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/18/1989	Findings:	246,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/18/1989	Findings:	74,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/18/1989	Findings:	16,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/18/1989	Findings:	82,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/18/1989	Findings:	6,200 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/18/1989	Findings:	50,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/18/1989	Findings:	300 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/18/1989	Findings:	6,100 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/18/1989	Findings:	4,100 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/18/1989	Findings:	450,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/18/1989	Findings:	230 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	11/07/1989	Findings:	2,800 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/28/1982	Findings:	720,000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/28/1982	Findings:	7,500
Chemical:	PH (LABORATORY)		
Sample Collected:	04/28/1982	Findings:	240,000 MGL
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/28/1982	Findings:	240,000 MGL
Chemical:	BICARBONATE ALKALINITY		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/28/1992	Findings:	240,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/28/1992	Findings:	68,000 MGL
Chemical:	CALCIUM		
Sample Collected:	04/28/1992	Findings:	17,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	04/28/1992	Findings:	83,000 MGL
Chemical:	SODIUM		
Sample Collected:	04/28/1992	Findings:	9,300 MGL
Chemical:	POTASSIUM		
Sample Collected:	04/28/1992	Findings:	48,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	04/28/1992	Findings:	300 MGL
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/28/1992	Findings:	1,900 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/28/1992	Findings:	3,800 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/28/1992	Findings:	480,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/28/1992	Findings:	360 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	08/23/1994	Findings:	3,500 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/23/1994	Findings:	12,000 PC/L
Chemical:	GROSS BETA		
Sample Collected:	08/23/1994	Findings:	4,200 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	11/01/1994	Findings:	3,600 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/10/1995	Findings:	5,200 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/10/1995	Findings:	10,000 PC/L
Chemical:	GROSS BETA		
Sample Collected:	02/10/1995	Findings:	5,400 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	03/28/1995	Findings:	760,000 UMH/O
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/28/1995	Findings:	7,800
Chemical:	PH (LABORATORY)		
Sample Collected:	03/28/1995	Findings:	280,000 MGL
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/28/1995	Findings:	230,000 MGL
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	03/28/1995	Findings:	65,000 MGL
Chemical:	CALCIUM		
Sample Collected:	03/28/1995	Findings:	16,000 MGL
Chemical:	MAGNESIUM		
Sample Collected:	03/28/1995	Findings:	81,000 MGL
Chemical:	SODIUM		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/28/1995	Findings:	7,800 MGL
Chemical:	POTASSIUM		
Sample Collected:	03/28/1995	Findings:	43,000 MGL
Chemical:	CHLORIDE		
Sample Collected:	03/28/1995	Findings:	3,700 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/28/1995	Findings:	2,600 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/28/1995	Findings:	450,000 MGL
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/28/1995	Findings:	180 NTU
Chemical:	TURBIDITY (LAB)		

D19  
NW  
1/2 - 1 Mile  
Higher  
CA WELLS 22552

## Water System Information:

Prime Station Code: E44017-TRIDEST  
FDOS Number: 4410017008  
District Number: 05  
Water Type: Well/Groundwater  
Source Lat/Long: 365903.0 121515.0  
Source Name: ESTATES WTP - TREATED  
System Number: 4410017  
System Name: Soquel Creek Water District  
Organization That Operates System: P O BOX 158  
SOQUEL, CA 95073  
Pop Served: 38460  
Area Served: SOQUEL APTOS  
Connections: 12620

20  
20  
20  
1-3 Miles  
Higher  
Site ID: 343  
Groundwater Flow: NW  
Shallow Water Depth: 8.33'  
Deep Water Depth: 11.4'  
Average Water Depth: Not Reported  
Date: 02/17/1999  
AQUIFLOW 68636

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

Federal EPA Radon Zone for SANTA CRUZ County: 2

Note: Zone 1 indoor average level > 4 pCi/L

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L

: Zone 3 indoor average level < 2 pCi/L

Federal Area Radon Information for Zip Code: 95003

Number of sites tested: 1

Area	Average Activity	% <= 4 pCi/L	% 4-20 pCi/L	% >= 20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1989 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NMFI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

### HYDROGEOLOGIC INFORMATION

#### AQUIFLOW® Information System

Source: EDR proprietary database of groundwater flow information. EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

### GEOLOGIC INFORMATION

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schindler, R.E. Andriani and W.J. Sawicki, Geology of the Conterminous U.S. at 1:250,000 Scale - A digital representation of the 1974 P.B. King and T.M. Bakken Map, USGS Digital Data Series DDS - 11 (1994).

#### STATSGO: State Soil Geographic Database

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

#### FEDERAL WATER WELLS

##### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

##### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1985. Prior to August 1985, the data came from the Federal Reporting Data System (FRDS).

**USGS Water Wells:** In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 800,000 wells, springs, and other sources of groundwater.



## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STATE RECORDS

#### California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2318

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

#### California Oil and Gas Well Locations for District 2, 3, 5 and 6

Source: Department of Conservation

Telephone: 916-323-1779

### RADON

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The survey covers the years 1985 - 1982. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 308 of RCRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

**California Earthquake Fault Lines:** The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United States Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

**2100**

**201 STATE PARK DR, APT, SEACLIFF STATE BEACH, SITE MIT**

*FUEL LEAK SITE*

**L**

# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY  
☐ YES ☒ NO  
 HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?  
☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY  
 I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.

REPORT DATE  
 01/21/01  
 CASE #

SIGNED: [Signature] DATE: 2-27-00

REPORTED BY: NAME OF INDIVIDUAL FILING REPORT  
 JACK R KIRCHNER  
 PHONE: (831) 429-2865  
 SIGNATURE: [Signature]  
 REPRESENTING: ☐ OWNER/OPERATOR ☐ REGIONAL BOARD  
☒ LOCAL AGENCY ☐ OTHER  
 COMPANY OR AGENCY NAME: STATE OF CAL. PARKS & RECREATION

ADDRESS: 600 RECEIVED FEB 18 2000 OCEAN ST  
 NAME: [Redacted] CITY: SANTA CRUZ STATE: CA ZIP: 95060  
 CONTACT PERSON: [Redacted] PHONE: [Redacted]  
 ADDRESS: [Redacted] ☐ UNKNOWN

SITE LOCATION: FACILITY NAME (IF APPLICABLE): SEACLIFF STATE BEACH  
 ADDRESS: STATE PARK DR STREET: APTOS CITY: CA COUNTY: SC ZIP: 95003  
 CROSS STREET: CENTER

IMPLEMENTING AGENCIES: LOCAL AGENCY: AGENCY NAME: CONTACT PERSON: PHONE: [Redacted]  
 REGIONAL BOARD: PHONE: [Redacted]

SUBSTANCES INVOLVED: (1) DIESEL FUEL NAME: QUANTITY LOST (GALLONS): [Redacted] ☒ UNKNOWN  
 (2) UNLEADED GASOLINE ☒ UNKNOWN

DISCOVERY/ABATEMENT: DATE DISCOVERED: 01/21/01 HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS  
☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER  
 DATE DISCHARGE BEGAN: [Redacted] ☒ UNKNOWN  
 METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY):  
☐ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING  
☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE  
☐ REPLACE TANK ☐ OTHER  
 HAS DISCHARGE BEEN STOPPED?  
☒ YES ☐ NO IF YES, DATE: 01/21/01

SOURCE/CAUSE: SOURCE OF DISCHARGE: ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER  
 CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☒ UNKNOWN ☐ OTHER

CASE TYPE: CHECK ONE ONLY  
☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS: CHECK ONE ONLY  
☒ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION  
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS  
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)  
☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)  
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)  
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)  
☒ OTHER (OT) SEE COMMENTS

COMMENTS: SEEKING ADVICE FROM DEPARTMENT HEADQUARTERS ON HOW TO PROCEED.



ENVIRONMENTAL HEALTH

# County of Santa Cruz

## HEALTH SERVICES AGENCY

701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060-4073  
(831) 454-2022 FAX: (831) 464-3128 TDD: (831) 454-4123

February 8, 2000

Mr. Jack Kirschner  
Seacliff State Beach  
600 Ocean Street  
Santa Cruz, CA 95060

**RE: Unauthorized Underground Tank Release (Leak) at  
Seacliff State Beach, State Park Drive**

Dear Mr. Kirschner:

Soil analysis data from samples collected on December 10, 1999, indicate that contamination above acceptable levels is present requiring completion of a site investigation. Therefore, you are hereby directed to take the following actions:

1. Complete and submit to Santa Cruz County Environmental Health Service (EHS) the form: "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report". This report must be filed with EHS within five days from the date of this letter. Please find a blank form enclosed.
2. Obtain professional services from a reputable engineering/consulting firm with expertise in hazardous materials contamination site investigations. All required reports shall be prepared by a registered engineer, geologist, or certified engineering geologist.

The responsibility of your consultant is to establish the extent of contamination and provide professional judgment/recommendations, based on scientific data, of the remedial actions needed. General requirements for a site investigation are attached for your use. A work plan and a time schedule for investigation shall be submitted to Environmental Health Service within 30 days from the date of this letter. Please note that per County Code you will be billed for our time spent in oversight of this project.

Should you have any questions, please contact this office at (831) 454-2759, 8:00 a.m. to 9:30 a.m., Monday through Friday.

Sincerely,

JOSE J. DE ANDA, R.E.H.S.  
Senior Environmental Health Specialist

JJD:lv

Enclosure: Leak Investigation Guidelines  
Leak Report Form



# County of Santa Cruz

## HEALTH SERVICES AGENCY

701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060-4073  
(831) 454-2022 FAX: (831) 454-3128 TDD: (831) 454-4123

ENVIRONMENTAL HEALTH

### REPORT OF AN ILLEGAL OR THREATENED ILLEGAL DISCHARGE OF HAZARDOUS WASTE WHICH MAY CAUSE SUBSTANTIAL INJURY

DATE: 1-22-00

TO: Clerk of the Board of Supervisors  
Health Officer

This report (see other side) is submitted pursuant to Health and Safety Code Section 25180.7. The report documents information regarding the illegal discharge (or threatened illegal discharge) of hazardous waste, which could cause substantial injury to the public health and safety. The report is submitted on behalf of all designated employees of the Environmental Health Service of the Health Services Agency.

[Signature]  
Name/Signature

ENVIRONMENTAL HEALTH SPECIALIST  
Title

cc: CAO  
District Attorney's Office  
Director of Environmental Health

**NOTIFICATION OF HAZARDOUS WASTE DISCHARGE**

1. Date/Time report received 1-22-00 / 2:30 2. BOS Area 2 3. File No. \_\_\_\_\_  
 Date/Time follow-up 1-22-00 / 2:30  
 4. Source of information: ☐ Complaint ☒ Underground Tank Leak ☐ Referral ☐ Inspection ☐ Self Reported  
☐ Other \_\_\_\_\_

5. Location of Discharge: Site Name: SEACLIFE ST. BEACH  
 Address: 201 STATE PARK DR.  
 City: APTOS, CA County SANTA CRUZ  
 Phone at site: (831) 429-2865

6. Person/Company responsible: Name: DEPT. OF GENERAL SERVICES / STATE PARKS  
 Address: 1300 J ST. SUITE 100  
 City: SACRAMENTO, CA 95814  
 Phone: ( ) \_\_\_\_\_

7. Type of discharge: ☐ Emergency-Occupational Related Exposure ☐ Threatened Discharge  
☒ Container Leakage ☐ Fire ☐ Process Spill/Leak ☐ Abandoned/Unknown  
☐ Non-Emergency ☐ Other \_\_\_\_\_

8. Hazardous Material discharged: ☒ Known ☐ Suspected

If known complete the following:

a. Chemical Name MIXED HYDROCARBONS OF GASOLINE & DIESEL

b. Estimated quantity discharged UNK. Quantity threatened to be released None

Comments STORAGE CONTAINERS HAVE BEEN REMOVED

c. Physical Description: ☐ Solid ☐ Powder ☐ Granule ☐ Liquid ☐ Gas

d. Hazardous Properties: ☐ Corrosive ☒ Ignitable ☐ Reactive ☐ Toxic ☐ Radioactive ☐ Infectious  
☐ Other \_\_\_\_\_

9. Health effects (Human) Chemical Exposure: ☐ Yes ☐ No ☒ Unknown

Number of persons exposed \_\_\_\_\_

Injury ☐ Yes illness ☐ Yes Medical attention ☐ Yes Hospitalized ☐ Yes  
☒ No ☒ No ☒ No ☒ No

Potential Adverse Health Effects ☐ Yes  
☒ No

Comments: SUBSURFACE DISCHARGE

Threat to Environment/Wildlife ☐ Yes ☒ No Explain SUBSURFACE DISCHARGE

10. Locale: ☒ Residential ☐ Commercial ☒ Open Space ☒ Public Property ☐ Private Property

11. Does further action need to be taken? ☒ Yes ☐ No Explain SITE ASSESSMENT POSSIBLE CLEANUP

12. Is Discharge/threatened discharge likely to cause substantial injury to the Public Health or Safety?  
☐ Yes ☐ No ☒ Unknown

illegal discharges or threatened illegal discharges of a hazardous waste that are likely to cause substantial injury to the public health or safety are to be reported pursuant to Section 25180.7 of the California Health and Safety Code. This report is based upon the best available information at the time the report was submitted. Information received for this report may have not been verified due to time constraints.

Date of Report 1-22-00

Signature [Signature]

PARADISO MECHANICAL, INC.  
GENERAL & PETROLEUM CONTRACTORS  
2600 Williams Street, P.O. Box 1836  
San Leandro, CA 94577  
(510) 614-8390 FAX (510) 614-8396  
Contractors License #677909

RECEIVED  
JAN 05 2000

LETTER OF TRANSMITTAL

TO: COUNTY OF SANTA CRUZ  
HEALTH SERVICES AGENCY  
ENVIRONMENTAL HEALTH SERVICE

701 OCEAN STREET, ROOM 312

SANTA CRUZ, CA 95060

ENVIRONMENTAL  
HEALTH SERVICES

DATE 1/4/00

JOB #

ATTN:

MR. JOSE J. DE ANDA

RE:

SEACLIFF STATE BEACH

WE ARE SENDING YOU ☒ Attached ☐ Under Separate Cover via \_\_\_\_\_ the following items:

- ☐ Shop drawings ☐ Prints ☐ Plans ☐ Sample ☐ Specifications  
☐ Copy of Letter ☐ Change Order ☐ \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1			REPORT OF SOIL SAMPLING DURING TANK REMOVAL @ SEACLIFF STATE BEACH, STATE BEACH DRIVE, APTOS, CALIFORNIA.

THESE ARE TRANSMITTED as checked below:

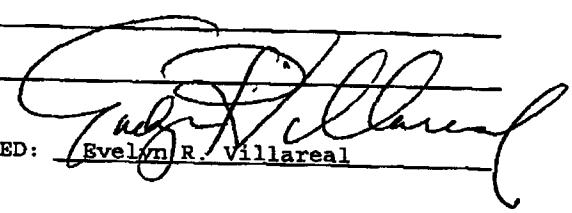
- ☐ For approval ☐ Approved as submitted ☐ Resubmit \_\_\_\_\_ copies for approval  
☒ For your use ☐ Approved as noted ☐ Submit \_\_\_\_\_ copies for distribution  
☐ As requested ☐ Returned for corrections ☐ Return \_\_\_\_\_ corrected prints

☐ For review and comment ☐ \_\_\_\_\_

☐ FOR BIDS DUE \_\_\_\_\_, 19\_\_\_\_ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS \_\_\_\_\_

COPY TO \_\_\_\_\_

SIGNED:   
Evelyn R. Villareal

**geo - logic**

1140 - 5th Avenue, Crockett, CA 94525

*geotechnical and environmental consulting services*

(510) 787-6867 - Fax (510) 787-1457

RECEIVED

JAN 05 2000

December 22, 1999

ENVIRONMENTAL/HEALTH SERVICES  
Paradiso Job No. 99- 554

Paradiso Mechanical, Inc.  
P. O. Box 1836  
2600 Williams Street  
San Leandro, California 94577

Attention: Mr. Bob Corsun

RE: Report of Soil Sampling during Tank Removal  
Seacliff State Beach  
State Beach Drive  
Aptos, California

Mr. Corsun:

This report summarizes the results of soil sampling performed by Geo-Logic at the referenced site. All work was performed in compliance with the guidelines established by the Regional Water Quality Control Board and the County of Santa Cruz Environmental Health Service (SCEHS).

The scope of the work performed by Geo-Logic consisted of the following:

- Coordination with the regulatory agencies;

- Collection of soil samples from beneath two underground fuel tanks and from beneath two fuel dispenser locations,

- Collection of a composite stockpile soil sample,

- Delivery of soil samples with properly executed Chain of Custody documentation to a certified analytical laboratory, and

- Technical review of data and preparation of this report.

#### SITE DESCRIPTION

The subject site is a State Department of Parks and Recreation maintenance yard located at Seacliff State Beach in Aptos, California, as shown on Figure F-2. At the maintenance yard, a 550-gallon gasoline tank and a 250-gallon diesel fuel tank were located in a common tank pit, at the location shown on Figure F-4. The tank pit is underlain by two separate concrete pads, at approximately 9



feet and feet below grade for the gas tank and diesel tank, respectively. An area approximately two feet wide of native soil was exposed between the two concrete pads. Two fuel dispensers were located aboveground, adjacent to the tank locations.

### FIELD ACTIVITIES

Geo-Logic's work at the site was conducted on December 10, 1999, when both of the fuel tanks were removed from the site. The tanks were made of single-wall steel and appeared to be in good condition. Mr. Jose J. De Anda of the SCEHS witnessed the removal of the tanks and the subsequent soil sampling. Soil samples were collected from beneath the ends of each tank where the fill port was located. The sample taken from beneath the fill end of the gasoline tank, labeled Gas tank (9'), was collected from the exposed soil area between the concrete pads underlying the two tanks, at approximately 9 feet below grade. The sample taken from the fill end of the diesel tank, labeled Diesel tank (7'), were taken from the sidewall of the excavation at approximately 7 feet below grade, due to the presence of the concrete pad beneath the tank. The two tank pit samples were taken from bulk material excavated by backhoe. Two samples, labeled Gas disp. (3') and Diesel disp. (3'), were taken by hand-driving sample tubes directly into the subsurface soils at approximately 3 feet below grade, at locations underlying each of the two fuel dispenser locations. A four-part composite stockpile sample, labeled Comp S1, was taken by hand-driving sample tubes at various locations approximately 1-foot within the soil stockpile.

The samples were each placed in clean, two-inch diameter brass tubes, sealed with teflon and plastic caps, and stored in a cooled ice chest for delivery to a certified laboratory. Sample locations are shown on Figure 1.

### SUBSURFACE CONDITIONS

The native soils encountered in the sidewalls and bottom of the excavation consisted of relatively fine-grained brown sand. The tank pit backfill material also consisted of brown sand. Groundwater was not encountered in the excavation.

### ANALYTICAL RESULTS

The samples were analyzed by McCampbell Analytical in Pacheco, California, and were accompanied by properly executed Chain of Custody documentation. The samples were analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline and TPH as diesel by EPA method 5030/modified 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8020. The composite stockpile soil sample was also analyzed for total lead.

The results of the soil analyses are summarized in Table 1. Copies of the laboratory analyses and the Chain of Custody documentation are attached to this report.

### DISTRIBUTION

A copy of this report should be sent to Mr. Jose J. De Anda of the SCEHS.

### LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state certified laboratory. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

Should you have any questions regarding this report, please feel free to call me at (510) 787-6867.

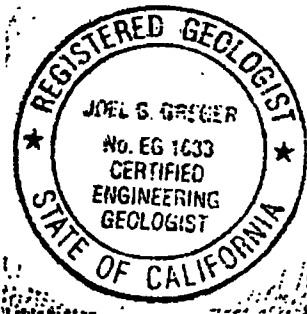
Sincerely,

Geo-Logic



Joel G. Greger, C.E.G.  
Certified Engineering Geologist

License No. EG 1633  
Exp. Date 8/31/2000



Attachments: Table 1 - Summary of Laboratory Analyses - Soil  
Figure F-2 - Vicinity Map  
Figure F-4 - Demolition Plan  
Figure 1 - Site Plan  
Laboratory Analyses and Chain of Custody

**TABLE 1 - SOIL CHEMICAL ANALYTICAL DATA**  
 Seaciff State Beach  
 State Beach Drive  
 Aptos, California

Sample Location/ depth	TPH-D	TPH-g (ppm)	Benzene (ppm)	Ethyl - benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	MTBE (ppm)
Gas Disp (3')	21	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
Diesel Disp (3')	5,700	92	< 0.005	< 0.005	0.01	< 0.005	< 0.05
Gas Tank	2,200	150	< 0.005	0.008	0.022	< 0.005	< 0.05
Diesel Tank	< 1.0	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
Comp S1*	130	< 1.0	< 0.005	< 0.005	< 0.005	0.016	< 0.05

Collected on 12/10/99

**EXPLANATION:**

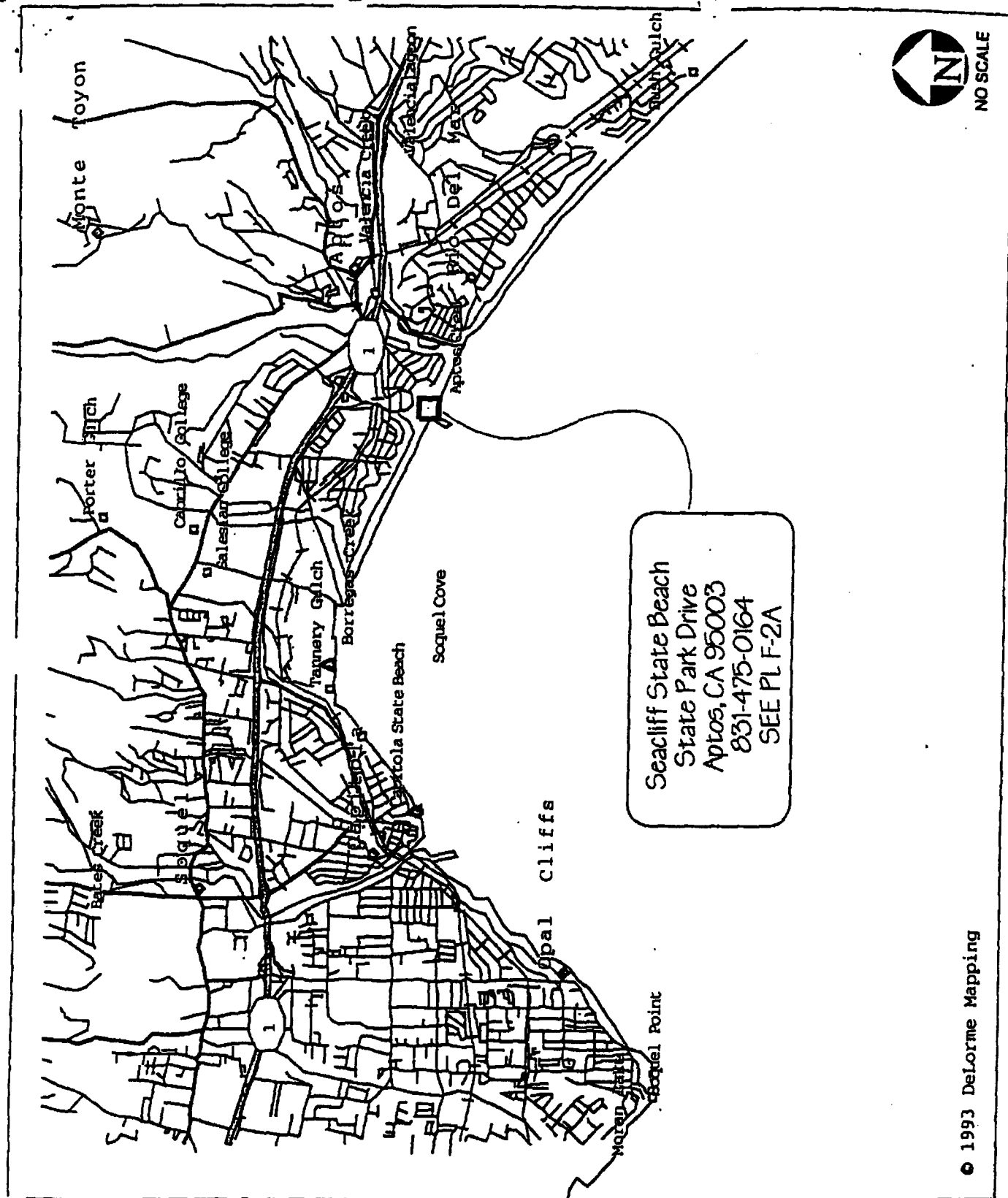
feet = feet below ground surface

ppm = parts per million

ND = nondetectable, NA = not analyzed

**Footnotes:**

\* Total Lead was detected at a concentration of 11 ppm.



© 1993 DeLorme Mapping

State of California  
Department of General Services  
**Real Estate  
Services  
Division**

Professional Services Branch  
Design Services Section  
1300 I Street, Suite 800  
Sacramento, California 95814

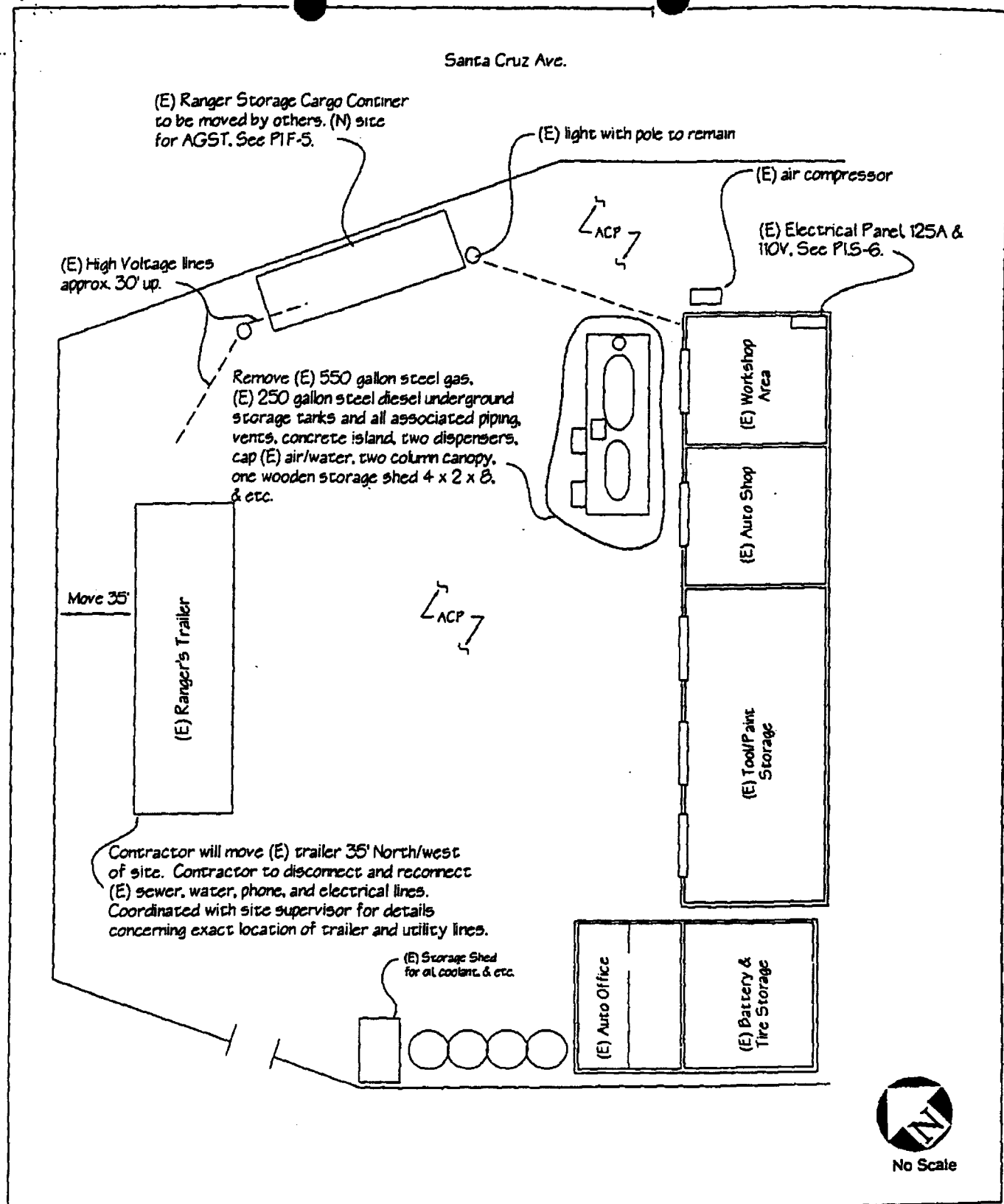
**ABOVEGROUND FUEL TANK REPLACEMENT  
DEPARTMENT OF PARKS & RECREATION**

VICINITY MAP

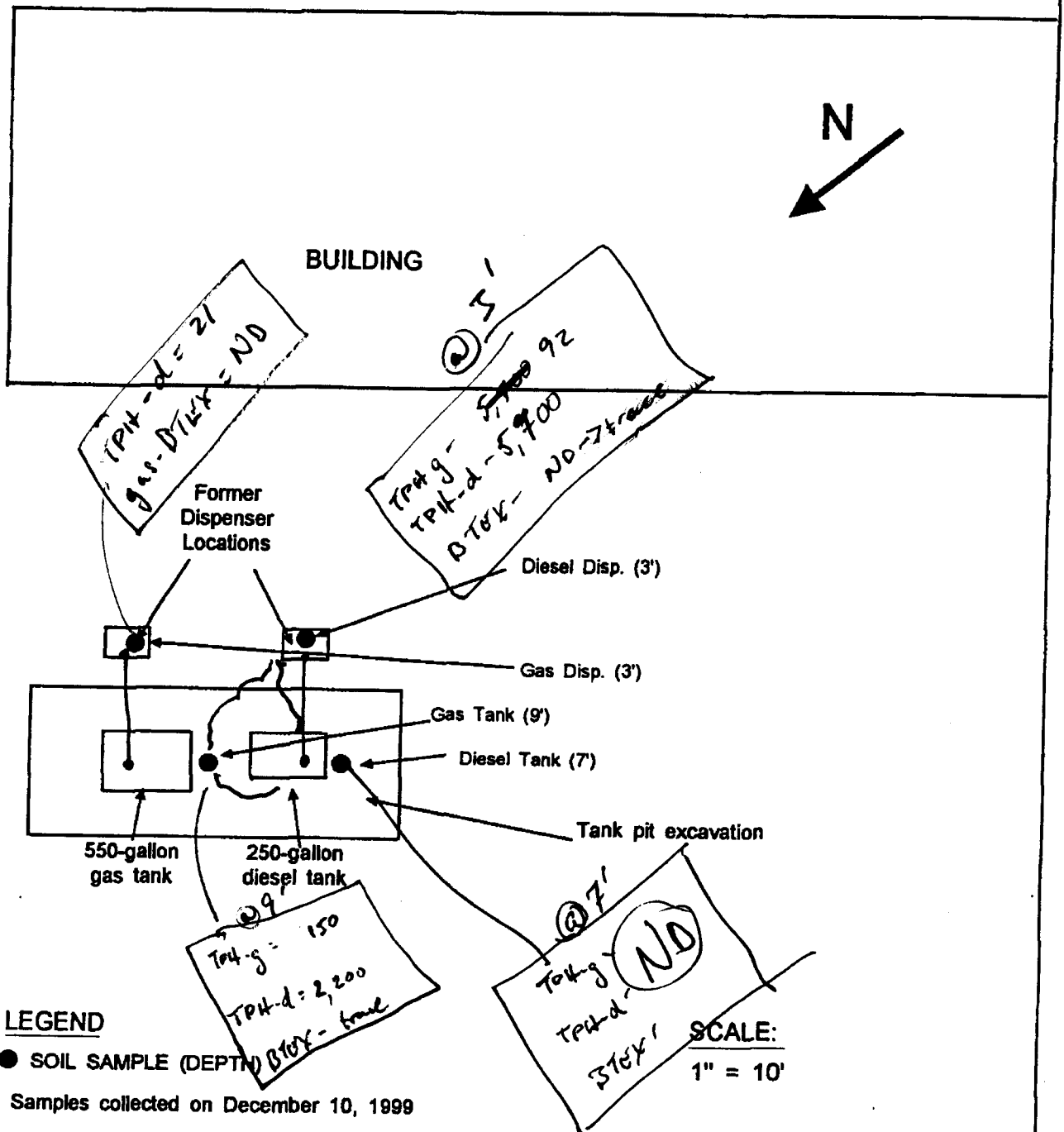
**SEACLIFF  
STATE BEACH**

W.O. #105519

**F-2**



State of California Department of General Services <b>Real Estate Services Division</b> Professional Services Branch Design Services Section 1300 I Street, Suite 800 Sacramento, California 95814	ABOVEGROUND FUEL TANK REPLACEMENT DEPARTMENT OF PARKS & RECREATION	DEMOLITION SEACLIFF STATE BEACH W.O. # 105519	<b>F-4</b>
--	---	---	------------



Seacliff State Beach  
State Park Drive  
Aptos, CA

Figure No:

1

Date: 12/13/99

Drawn By: JG/Geo-Logic

Site Plan

## OFFICIAL INSPECTION REPORT

DBA/NAME <u>Sea Cliff State Beach</u>		DATE <u>10/24/01</u>
ADDRESS <u>201 <del>SEA</del> State Park Dr</u>		RECHECK DATE
OWNER/OPERATOR		PERMIT # <u>FA-2856</u>
HAZARDOUS WASTE MANAGEMENT	GENERAL	<input type="checkbox"/> 42. Waste Determination
		<input type="checkbox"/> 43. EPA#
		<input type="checkbox"/> 44. Treatment/Disposal
		<input type="checkbox"/> 45. Storage Over 90 Days
		<input type="checkbox"/> 46. Labeled
		<input type="checkbox"/> 47. Container Condition
		<input type="checkbox"/> 48. Secondary Containment
		<input type="checkbox"/> 49. Incompatibles
		<input type="checkbox"/> 50. Co-Mingling
		<input type="checkbox"/> 51. Container Handling
		<input type="checkbox"/> 52. Security
		<input type="checkbox"/> 53. Warning Signs
	DISPOSAL	<input type="checkbox"/> 54. Property Line
		<input type="checkbox"/> 55. Manifests
		<input type="checkbox"/> 56. Extremely Haz Waste
		<input type="checkbox"/> 57. Packaging
		<input type="checkbox"/> 58. Disposal/Approved Facility
		<input type="checkbox"/> 59. Licensed Hauler
	RECORDS	<input type="checkbox"/> 60. Manifests Available
		<input type="checkbox"/> 61. Annual Reports
		<input type="checkbox"/> 62. Maintenance
		<input type="checkbox"/> 63. Emergency Response
		<input type="checkbox"/> 64. Preparedness/Prevention
		The marked items are violations of the Health & Safety Code and must be corrected as follows:  <u>Violation corrected.</u>
INSPECTOR: <u>Rivera Supply</u>		RECEIVED BY: <u>JRP</u>
PHONE # <u>454-2738</u>		TITLE: <u>PM</u>
HSA-559-3 (12/92)		

DEC 16 1998

R. Supply  
12/17/98  
#002856 ✓

## California Hazardous Materials Inventory Reporting Form - Business &amp; Owner/Operator Identification Page

CALENDAR YEAR BEGINNING (1)	ENVIRONMENTAL HEALTH SERVICES	ENDING (2)		(3) PAGE 1 OF	19
BUSINESS NAME (4)	SEACLIFF STATE BEACH			BUSINESS PHONE: (5)	(831) 685-6446
SITE ADDRESS (6)	201 STATE PARK DRIVE				
CITY (7)	APTOS	STATE (8)	CA	ZIP (9)	95003
DUN & BRADSTREET (10)				SIC CODE (4 DIGIT#) (11)	
OPERATOR NAME (12)	CALIFORNIA STATE PARKS			OPERATOR PHONE (13)	(831) 429-2850

## OWNER INFORMATION

OWNER NAME (14)	CALIFORNIA STATE PARKS			OWNER PHONE (15)	(831) 429-2850
OWNER MAILING ADDRESS (16)	600 OCEAN ST.				
CITY (17)	SANTA CRUZ	STATE (18)	CA	ZIP (19)	95060

## ENVIRONMENTAL CONTACT

CONTACT NAME (20)	JIM PFLUGER			CONTACT PHONE (21)	(831) 423-9709
MAILING ADDRESS (22)	1401 COAST ROAD / HWY # 1				
CITY (23)	SANTA CRUZ	STATE (24)	CA	ZIP (25)	95060

## Primary

## EMERGENCY CONTACTS

## Secondary

NAME: (26)	JACK KIRCHNER	NAME: (31)	<del>KIRK LINGENFELTER</del> STEVE HAMMACK
TITLE: (27)	DISTRICT MAINTENANCE CHIEF	TITLE: (32)	PARK MAINTENANCE SUPERVISOR
BUSINESS PHONE: (28)	(831) 429-2850	BUSINESS PHONE: (33)	(831) 475-0164
24-HOUR PHONE: (29)	(831) 724-0107	24-HOUR PHONE: (34)	(831) 438-6873
PAGER #: (30)	N/A	PAGER #: (35)	N/A

## ACUTELY HAZARDOUS MATERIALS (AHM)

ON SITE AHM (36) ☐ Yes ☒ No

If yes, and above Threshold Planning Quantities, attach a sheet of paper with a general description of the process and principal equipment.

## ADDITIONAL LOCALLY COLLECTED INFORMATION

(37)

SEE THE REVERSE SIDE OF THIS PAGE

Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this inventory and believe the information is true, accurate, and complete.

Print Name of Document Preparer (38) JIM PFLUGER

Signature of Owner/Operator (39)

Date (40) 12-16-98



Page 2 of 19

**SANTA CRUZ COUNTY**  
**LOCALLY COLLECTED INFORMATION**

(37) (A) NEAREST CROSS STREET: Hwy # 1  
(B) ASSESSOR'S PARCEL NUMBER: 039-131-24, 039-541-01, 039-485-32 (C) FIRE DISTRICT: SOQUEL  
(D) BUSINESS HOURS: 24 HOURS NUMBER OF SHIFTS: 3 NUMBER OF EMPLOYEES: 20  
(E) IN CITY LIMITS: ☐ YES ☒ NO (F) COUNTY SUPERVISOR DISTRICT: W. SIMONS  
(G) WATER DISTRICT: SOQUEL (H) DEPTH TO WATER TABLE: \_\_\_\_\_

(I) FLOOD ZONE: ☐ YES ☒ NO (J) EARTHQUAKE FAULTS: ☐ YES ☒ NO  
(K) SURROUNDING GENERAL LAND USES WITHIN ONE MILE OF YOUR FACILITY (ZONING):

North: RESIDENTIAL  
South: RESIDENTIAL  
East: RESIDENTIAL  
West: OCEAN

(L) SPECIAL LAND USES WITHIN ONE MILE OF YOUR FACILITY (SCHOOLS, HOSPITALS, INSTITUTIONS, etc.):

North: MAR VISTA SCHOOL, CABRILLO COLLEGE  
South: RESIDENTIAL  
East: RESIDENTIAL  
West: OCEAN

I declare under penalty of perjury, the information contained herein is true and correct. If there is any change which would materially affect any information contained in this plan, I will notify Environmental Health Service and apply for an appropriate amendment to the plan as required by applicable County/City hazardous materials codes.

I agree to reimburse the County/City for all costs incurred by the County/City to remedy the effects of any unauthorized release.

I agree to indemnify, hold harmless and defend the County/City against any claim, cause of action, disability, loss, liability, damage, cost or expense, howsoever arising, which occurs by reason of an unauthorized discharge in connection with permittee's operations under this permit.

DATE: 12/3/98

<u>JAMES R. PFLUGER</u>	<u>[Signature]</u>	<u>PARK MAINTENANCE SUPV.</u>
PRINT NAME - APPLICANT	SIGNATURE	TITLE

<u>JACK R. KIRCHNER</u>	<u>[Signature]</u>	<u>PMC III</u>
PRINT NAME - BUSINESS OWNER	SIGNATURE	TITLE

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS MATERIALS

HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION

(one page per material per building or area)

☒ ADD

☐ DELETE

☐ REVISE

200

Page   3   of   

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

3

CHEMICAL LOCATION

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

440000002856

MAP# (optional)

203

GRID# (optional)

204

1

3H-I

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

TRADE SECRET

☐ Yes ☒ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

EHS\*

☐ Yes ☒ No

208

CAS#

209

\*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (if assigned as required by CUPA)

210

FL

HAZARDOUS MATERIAL TYPE (Check one item only)

211

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE

(Check one item only)

214

☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

LARGEST CONTAINER

215

2000

FED HAZARD CATEGORIES

(Check all that apply)

216

☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

1000

2000

UNITS

(Check one item only)

221

☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

DAYS ON SITE:

222

\* If EHS amount must be in pounds.

365

STORAGE CONTAINER

(Check one item only)

☒ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 226

227

☐ Yes ☐ No

228

229

2 230

231

☐ Yes ☐ No

232

233

3 234

235

☐ Yes ☐ No

236

237

4 238

239

☐ Yes ☐ No

240

241

5 242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION

246

If EPCRA, Please Sign Here

## UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS MATERIALS

## HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION

(one page per material per building or area)

☒ ADD☐ DELETE☐ REVISE

200

Page \_\_\_ of \_\_\_

## I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

CHEMICAL LOCATION

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

44 000 000 2856

MAP# (optional)

203

GRID# (optional)

204

4B

## II. CHEMICAL INFORMATION

CHEMICAL NAME

205

Waste Oil

TRADE SECRET

☐ Yes ☒ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

EHS\*

☐ Yes ☒ No

208

CAS#

209

\*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (if required by CUPA)

210

COM

HAZARDOUS MATERIAL  
TYPE (Check one item only)☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE

211

RADIOACTIVE

☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE  
(Check one item only)☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

55

215

FED HAZARD CATEGORIES  
(Check all that apply)☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

25

55

221

STORAGE VOLUME  
(Check one item only)☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

222

365

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR  
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER  
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN  
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

227

☐ Yes ☐ No

228

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION

246

UPCF (1/99)

If EPCRA, Please Sign Here

OES Form 2731

## Section II -

## California Hazardous Materials Inventory Reporting Form - Chemical Description Page

☐ ADD ☐ DELETE ☐ REVISE

PAGE (2)

5

OF (3)

19

BUSINESS NAME

(4)

SEACLIFF STATE BEACH

CHEMICAL LOCATION

(5)

INTERPRETIVE CENTER

MAP#

(6)

2

GRID# (7)

H-3

CHEMICAL NAME

(8)

PROPANE

TRADE SECRET (11)

☐ Y ☐ N

COMMON NAME

(9)

PROPANE

EHS (12)

☐ Y ☐ N

CAS#

(10)

74986

IF EHS BOX IS "Y"  
ALL AMOUNTS MUST BE IN LBS

FIRE CODE

(13)

HAZARD CLASSES

FLA

TYPE

(14)

☒ PURE ☐ MIXTURE ☐ WASTE

RADIOACTIVE (15)

☐ Y ☐ N

(16)

CURIES

PHYSICAL STATE

(17)

☐ SOLID ☒ LIQUID ☐ GASFED HAZARD  
CATEGORIES

(18)

☒ FIRE ☐ REACTIVE ☐ PRESSURE RELEASE ☐ ACUTE HEALTH ☐ CHRONIC HEALTHSTATE WASTE  
CODE

(19)

UNITS (22)

☒ GAL ☐ CU FT  
☐ LBS ☐ TONS

MAX DAILY AMT (23)

250

DAYS ON SITE

(20)

365

If EHS, amounts must be in lbs.

9000 CF

AVG DAILY AMT (24)

100

LARGEST  
CONTAINER

(21)

250

9000 cf

ANNUAL WASTE AMT (25)

STORAGE  
CONTAINER

(26)

☒ ABOVE GROUND TANK ☐ CAN ☐ BOX ☐ TANK WAGON  
☐ UNDER GROUND TANK ☐ CARBOY ☐ CYLINDER ☐ RAIL CAR  
☐ TANK INSIDE BUILDING ☐ SILO ☐ GLASS BOTTLE  
☐ STEEL DRUM ☐ FIBER DRUM ☐ PLASTIC BOTTLE  
☐ PLASTIC/NONMETALLIC DRUM ☐ BAG ☐ TOTE BINSTORAGE  
PRESSURE

(27)

☐ AMBIENT ☒ ABOVE AMBIENT ☐ BELOW AMBIENTSTORAGE  
TEMPERATURE

(28)

☒ AMBIENT ☐ ABOVE AMBIENT ☐ BELOW AMBIENT ☐ CRYOGENIC

(29) %WT

(30) HAZARDOUS COMPONENT

(31) EHS

(32) CAS#

1	
2	
3	
4	
5	


<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Y <input type="checkbox"/> N


## (33) ADDITIONAL LOCALLY COLLECTED INFORMATION

If you have identified the chemical type as a "waste" (#14 above), please enter your Cal/EPA Waste Generator ID Number here: \_\_\_\_\_

If you need to obtain a Cal/EPA Waste Generator ID Number, you may do so by calling: (916) 324-1781.

## Section II -

## California Hazardous Materials Inventory Reporting Form - Chemical Description Page

☐ ADD ☐ DELETE ☐ REVISE

PAGE (2)

6

OF (3)

19

BUSINESS NAME

(4)

SEACLIFF STATE BEACH

CHEMICAL LOCATION

(5)

STORAGE SHED

MAP#

(6)

1

GRID # (7)

8-3

CHEMICAL NAME

(8)

ETHYL GLYCOL - Waste

TRADE SECRET (11)

☐ Y ☐ N

COMMON NAME

(9)

ANTI-FREEZE

EHS (12)

☐ Y ☐ N

CAS#

(10)

KW 5600000

IF EHS BOX IS "Y"  
ALL AMOUNTS MUST BE IN LBS

FIRE CODE

HAZARD CLASSES

(13)

Poison, B, CMB

TYPE

(14)

☒ PURE ☐ MIXTURE ☒ WASTE

RADIOACTIVE (15)

☐ Y ☐ N

(16)

CURIES

PHYSICAL STATE

(17)

☐ SOLID ☒ LIQUID ☐ GASFED HAZARD  
CATEGORIES

(18)

☐ FIRE ☐ REACTIVE ☐ PRESSURE RELEASE ☒ ACUTE HEALTH ☐ CHRONIC HEALTHSTATE WASTE  
CODE

(19)

UNITS (22)

☒ GAL ☐ CU FT  
☐ LBS ☐ TONS

MAX DAILY AMT (23)

55  
200

DAYS ON SITE

(20)

365

If EHS, amounts must be in lbs.

AVG DAILY AMT (24)

LARGEST  
CONTAINER

(21)

55

ANNUAL WASTE AMT (25)

200

STORAGE  
CONTAINER

(26)

<input type="checkbox"/> ABOVE GROUND TANK	<input type="checkbox"/> CAN	<input type="checkbox"/> BOX	<input type="checkbox"/> TANK WAGON
<input type="checkbox"/> UNDER GROUND TANK	<input type="checkbox"/> CARBOY	<input type="checkbox"/> CYLINDER	<input type="checkbox"/> RAIL CAR
<input type="checkbox"/> TANK INSIDE BUILDING	<input type="checkbox"/> SILO	<input type="checkbox"/> GLASS BOTTLE	
<input checked="" type="checkbox"/> STEEL DRUM	<input type="checkbox"/> FIBER DRUM	<input checked="" type="checkbox"/> PLASTIC BOTTLE	
<input type="checkbox"/> PLASTIC/NONMETALLIC DRUM	<input type="checkbox"/> BAG	<input type="checkbox"/> TOTE BIN	

STORAGE  
PRESSURE

(27)

☒ AMBIENT ☐ ABOVE AMBIENT ☐ BELOW AMBIENTSTORAGE  
TEMPERATURE

(28)

☒ AMBIENT ☐ ABOVE AMBIENT ☐ BELOW AMBIENT ☐ CRYOGENIC

(29) %WT

(30) HAZARDOUS COMPONENT

(31) EHS

(32) CAS#

1	
2	
3	
4	
5	


<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Y <input type="checkbox"/> N


## (33) ADDITIONAL LOCALLY COLLECTED INFORMATION

If you have identified the chemical type as a "waste" (#14 above), please enter your Cal/EPA Waste Generator ID Number here: \_\_\_\_\_

If you need to obtain a Cal/EPA Waste Generator ID Number, you may do so by calling: (916) 324-1781.

# Chemical Inventory Form

(For chemicals below State Thresholds of 55 gals., 200 cu. ft., or 500 lbs.)

Business Name SEACLIFF STATE BEACH Site Address 201 STATE PARK DR. Page 7 of 19

Hazard Class *	Common/Chemical Name (If the material is a waste, include the word "waste")	Number of Containers	Container Size	Units	Map No.	Grid No	Secondary Containment	Brief Description of Use or Waste EPA I.D.#
CL	PAINT, OIL BASED	20	1	GL	1	C6	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	PAINTING
FG	ACETYLENE	1	59.7	CF	1	E6	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	WELDING
CL	GREASE	1	5	GL	1	B3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	LUBRICATION
Pois.B	ENGINE OIL	480	1	QT	1	B3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	LUBRICATION
Pois.B	HYDRAULIC FLUID	120	5	GL	1	B3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HYDRAULIC SYSTEMS
Pois.B	AUTO. TRANSMISSION FLUID	120	1	QT	1	B3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	LUBRICATION
CORR	BATTERY ACID	40	1	EA	1	B6	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	AUTOMOTIVE USE
Oxy	Oxygen	1	125	CF			Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	

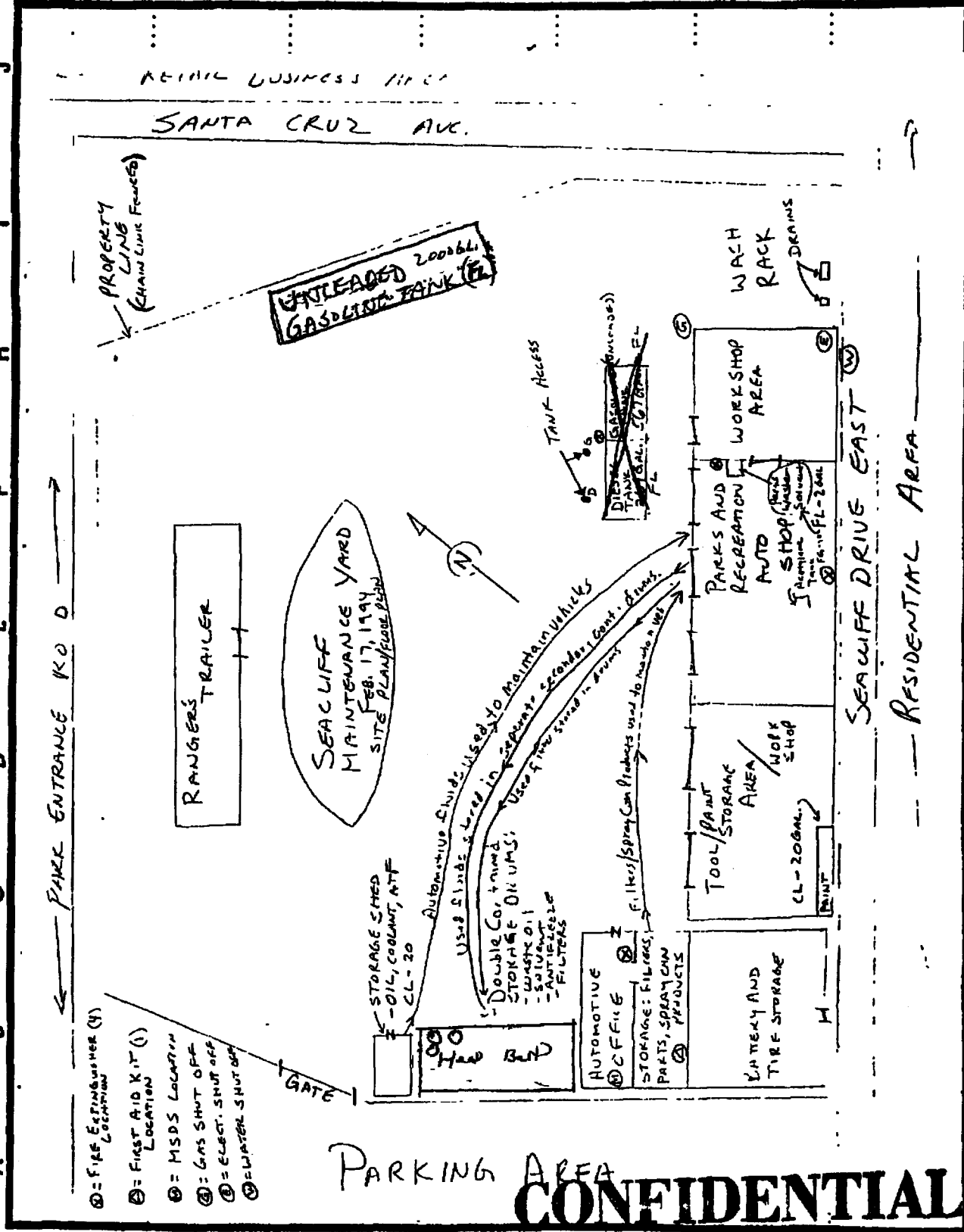
\* Please refer to the instructions for assistance in determining the Hazard Class

**Trade Secrets:** If any of the information required to be disclosed as part of the HMMP is considered a trade secret as defined by Section 6254.7 of the Government Code and Section 1060 of the Evidence Code, the information must be provided nonetheless, but the user shall notify the user of the information which the user considers to be trade secret information.

# CALIFORNIA ANNOTATED SITE MAP

Business Name: **SEACLIFF STATE BEACH** Site Address: **201 STATE PARK DR.** Map #: **1**

A B C D E F G H I J



- For Site Map**
- Scale of Map
  - Loading Areas
  - Parking Lots
  - Internal Roads
  - Storm and Sewer Drains
  - Adjacent Property Use
  - Locations and Names of Adjacent Streets and Alleys
  - Access and Egress Points and Roads
- For Sub-Site Map**
- Scale of Map
  - Location of Each Storage Area
  - Location of Each Hazardous Material Handling Area
  - Location of Emergency Response Equipment

Scale:

1" = 1 Ft.

**CONFIDENTIAL**

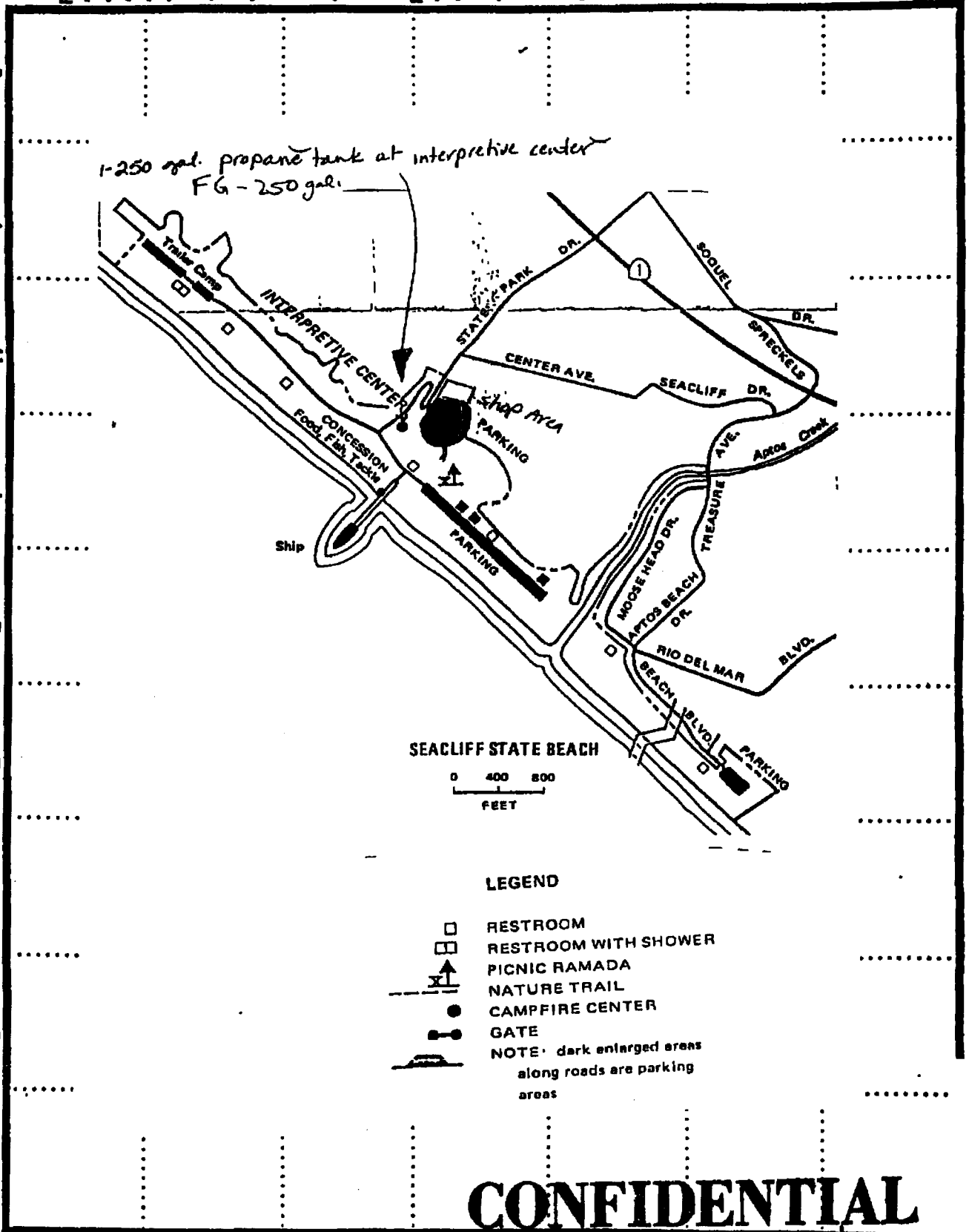
A B C D E F G H I J

- For Site Map**
- Scale of Map
  - Loading Areas
  - Parking Lots
  - Internal Roads
  - Storm and Sewer Drains
  - Adjacent Property Use
  - Locations on Adjacent Streets and Alleys
  - Access and Egress Points and Roads
- For Sub-Site Map**
- Scale of Map
  - Location of Each Storage Area
  - Location of Each Hazardous Material Handling Area
  - Location of Emergency Response Equipment

PAGE 9 of 19

Scale:

1" =      Ft.



**CONFIDENTIAL**



This monitoring program must be kept at the UST location at all times. The information on this monitoring program are conditions of the operating permit. The permit holder must notify Santa Cruz County Environmental Health Service within 30 days of any changes to the monitoring procedures, unless required to obtain approval before making the change. Required by Sections 2632(d) and 2641(h) of the California Code of Regulations.

Facility Name: SEACLIFF STATE BEACHFacility Address: 201 STATE PARK DRIVE APTOS, CA. 95003I am aware of the state mandated upgrades required by December 22, 1998: ☒ Yes ☐ No☐ 1998 Upgrades have been met. ☒ 1998 Upgrades have not been met.

A. Describe the frequency at which monitoring is performed:

Tank: TWICE PER YEAR

Piping: \_\_\_\_\_

B. Please identify by name and model, what approved monitoring system (as per LG 113-10) will be used for performing the monitoring:

Tank: PRECISION TANK TESTS

Piping: \_\_\_\_\_

C. Describe the location(s) where the monitoring will be performed (facility plot plan should be attached):

AT THE TANKS

D. List the name(s) and title(s) of the people responsible for performing the monitoring and/or maintaining the equipment:

STEVE HAMMACK - PARK MAINTENANCE SUPERVISOR.

E. Report format for monitoring:

Tank: PRECISION TANK TEST REPORTS.

Piping: \_\_\_\_\_

F. Describe the preventative maintenance schedule for the monitoring equipment: **Note: Maintenance must be in accordance with the manufacturer's maintenance schedule but not less than every 12 months.**

G. Describe the training necessary for the operation of UST system, including piping, and the monitoring equipment:

2100

201SEA RIDGE RD, APT, 76 STATION #5876, SITE MIT, 2000

(Nearby Fuel Leak Site)

w/ wells

w/ gradient

w/ boring logs

L



RECEIVED

OCT 22 2001

ENVIRONMENTAL  
HEALTH SERVICES

**IT Corporation**

1921 Ringwood Avenue  
San Jose, CA 95131-1721  
Tel. 408.453.7300  
Fax. 408.437.9526

A Member of The IT Group

R. J. Apple  
10/25/01

October 15, 2001  
Project 807032-05876003

Mr. David Camille  
Phillips 66 Company  
2000 Crow Canyon Place, Suite 400  
San Ramon, California 94583

Re: **Summary of Report Submittals**  
76 Service Station 5876  
201 Sea Ridge Road at State Park Drive  
Aptos, California

Dear Mr. Camille:

IT Corporation (IT) has prepared this letter on behalf of Phillips 66 Company (Phillips), formerly Tosco Marketing Company (Tosco), in response to a letter from the Regional Water Quality Control Board – Central Coast Region (RWQCB) to Phillips dated September 25, 2001. The September 25, 2001 RWQCB letter granted case closure for the subject facility, with the condition of post-closure monitoring. The September 25, 2001 RWQCB letter indicated that a formal closure letter would be prepared by the RWQCB after a complete list of relevant documents was prepared and submitted with an attestation statement signed by Phillips.

**SUMMARY OF REPORT SUBMITTALS**

*Soil Gas Survey Results*, Pacific Environmental Group, Inc., October 29, 1997.

*Confirmation of Due Diligence Site Assessment*, Pacific Environmental Group, Inc., March 30, 1999.

*Underground Storage Tank Unauthorized Release Report*, Pacific Environmental Group, Inc., May 5, 1999.

*Groundwater Assessment Work Plan*, Pacific Environmental Group, Inc., May 17, 1999.

*Site Assessment Report*, IT Corporation, December 20, 1999.

*Groundwater Monitoring and Sampling Report First Quarter 2000*, Gettler-Ryan, Inc., March 30, 2000.

October 15, 2001  
Page 2

*Evaluation of Groundwater Elevation and Analytical Data*, IT Corporation,  
April, 10, 2000.

*Groundwater Monitoring and Sampling Report Second Quarter 2000*, Gettler-  
Ryan, Inc., July 10, 2000.

*Groundwater Monitoring and Sampling Report Third Quarter 2000*, Gettler-  
Ryan, Inc., October 30, 2000.

Should you have any questions or require additional information, please feel free to call.

Sincerely,

**IT Corporation**



Timothy L. Ripp  
Project Geologist

Attachments:

cc:

**Item No. 4**  
**Executive Officer's Report**

16

SEP 05 2000

September 15, 2000

Ken and Jennifer Soni, Former Service Station,  
 1402 Spring St., Paso Robles, San Luis Obispo  
 County [Sheila Soderberg 805/549-3592]

In June 1993, Mission Federal Savings and Loan (Mission) ordered an environmental record review for the property at 1402 Spring Street, Paso Robles as part of a sales transaction. The review revealed that a former service station occupied the property from 1926 to 1973. In 1973, Mission acquired the property and constructed a bank building on the property. As follow-up to the review and in order to determine environmental effects on the property, Mission conducted environmental investigations from 1993 to 1996, which included: 1) a geophysical survey to locate onsite UGTs, 2) drilling and sampling thirteen soil borings, 3) conversion of five borings into ground water monitoring wells, and 4) ground water sampling. The geophysical survey did not confirm the presence of UGTs at the site; it is presumed that the UGTs were either removed without local agency permits or abandoned in-place beneath the building's existing footprint. Soil and ground water sampling confirmed the presence of total petroleum hydrocarbon constituents in soil and ground water beneath the site.

Initially, maximum ground water concentrations of TPHg and benzene were detected in one ground water grab sample at 20,000 ppb and 1,010 ppb, respectively. In October 1996, a quarterly ground water monitoring and reporting program was instated; this program was later reduced to semi-annual and then to annual monitoring to document intrinsic biodegradation of the contaminant plume. Depth to ground water ranged from 15 to 18 feet below ground surface with the ground water flow direction consistently to the northeast at approximately 0.025 feet/feet.

Because water quality objectives were nearly attained, in March 2000, the monitoring program was modified so that only two down gradient wells, MW-1 and MW-5, would be sampled: MW-1 historically contained the maximum concentration of petroleum hydrocarbon constituents. During the most recent (April 14, 2000) sampling event only TPHg and benzene were detected in MW-1 at 190 ppb and 3.3 ppb, respectively. MTBE has not been detected at the site since 1998. Water quality objectives have been attained for all constituents except benzene, which has an objective of 1.0 ppb.

After considering the fact that the tanks have not been in service since 1973, the reduction of contaminant concentrations in groundwater, and that the water quality objectives for benzene are imminent and attainable: staff recommends closing this UGT case. The responsible party/property owner has been notified of Staff's recommendation. Unless the Regional Board objects, staff will request proper ground water well destruction prior to issuance of the UGT case closure letter.

Tosco (formerly Unocal) Service Station #5876,  
 201 Sea Ridge Road, Aptos, Santa Cruz County  
 [Bob Hurford 805/542-4776] (Carried over from  
 July 14, 2000 Board meeting)

This site is an operating gasoline service station. A due diligence soil gas survey was performed at the site in September 1997, during the transfer of the facility from Unocal Corporation to Tosco. To follow-up the findings of the soil gas survey, three exploratory borings were drilled on December 14, 1998. No significant soil contamination was discovered. A grab ground water sample obtained from one of the borings reportedly contained MTBE at a concentration of 950 micrograms per liter ( $\mu\text{g/L}$ ) using EPA Test Method 8020. To confirm ground water quality in this shallow perched zone, three monitoring wells were installed down to bedrock (28 feet maximum depth) in September 1999. The monitoring wells are screened between 5 and 25 feet below ground surface. Ground water was only encountered in one monitoring well (MW-1) during the first sampling event. A ground water sample taken from MW-1 did not contain detectable levels of petroleum hydrocarbons or MTBE. EPA Test Method 8260 was used for MTBE analysis. Method 8260 is a more accurate analytical procedure over 8020 and is used to confirm the presence or absence of MTBE when found using Method 8020. Method 8020 may show false positive results for MTBE in the presence of gasoline range petroleum hydrocarbons. A confirmation wet weather sampling event was performed on February 26, 2000. Ground water was found in all three wells. Sampling results indicated all ground water samples were at or below this Board's water quality action levels for petroleum hydrocarbons and MTBE. Another round of ground water monitoring was performed on May 8, 2000, and all constituents were at or

**Item No. 4**  
**Executive Officer's Report**

17

September 15, 2000

below water quality objectives. Depth to shallow perched ground water at the site ranged from 6.4 feet below ground surface to greater than the bottom of the well screens, approximately 25 feet (well dry). The direction of ground water flow beneath the site varies with the season from north to east and southeast. The site is approximately 1,100 feet north of the Pacific Ocean and 2,500 feet west of Aptos Creek. No public water supply wells are located within one mile of the site. Due to insignificant soil contamination found in the soil borings, the confirmation of ground water quality

in the unused shallow perched zone at the site, and the proximity of the ocean, the site does not appear to pose a significant threat to ground water or surface water beneficial uses. Staff recommends closing this case. Tosco Marketing Company is the property owner and has been notified of this recommendation for case closure. (See Attached Vicinity and Site Maps 1A, 1B, 1C, 1D).

**Approval of Corrective Action**

Mobil Oil Corp., Station 318-L3C, 911 Morro Bay Blvd., Morro Bay, San Luis Obispo County [Sheila Soderberg 805/549-3592]

Mobil Oil Corporation (Mobil) proposes implementation of a Corrective Action Plan (Plan) for a service station located at 911 Morro Bay Boulevard, Morro Bay. During the 1997 underground storage tank (UGT) removal activities, Mobil over-excavated contaminated soil from the former tank pit prior to installation of new UGTs in the same area, however some contaminated soil could not be removed. Mobil's Plan proposes implementation of an air diffusion system (ADS) to promote natural biodegradation for removing hydrocarbons remaining in soil at the capillary fringe. The Plan also involves installation of three new ground water monitoring wells. Compressed air will be injected into these three new wells and three existing wells. Mobil will install the ADS system this summer during the property owner's construction of a new car wash at the service station. During remediation, quarterly progress reports will be provided to determine the system's effectiveness and ground water samples collected and analyzed prior to and during remediation for concentrations of dissolved oxygen and nitrate/nitrite, and measured for pH

and oxidation-reduction potential. In addition, the ground water monitoring program will continue on a quarterly basis to further evaluate the removal of petroleum hydrocarbon constituents remaining in ground water. The property owner, Staurt's Petroleum Company, has been notified about the Plan.

**STATUS REPORTS**

Casmalia Resources, Santa Barbara County [Dan Niles 805/549-3355]

This status report provides the Regional Board a general overview of the history of the Casmalia Site similar to the July 14, 2000 status report. The summary below describes some of the more important regulatory history of the site and also provides a detailed description of the current layout of the site. A series of figures is included to help get a better understanding of the site's evolving configuration. On-site water management issues are also emphasized towards the end of the summary.

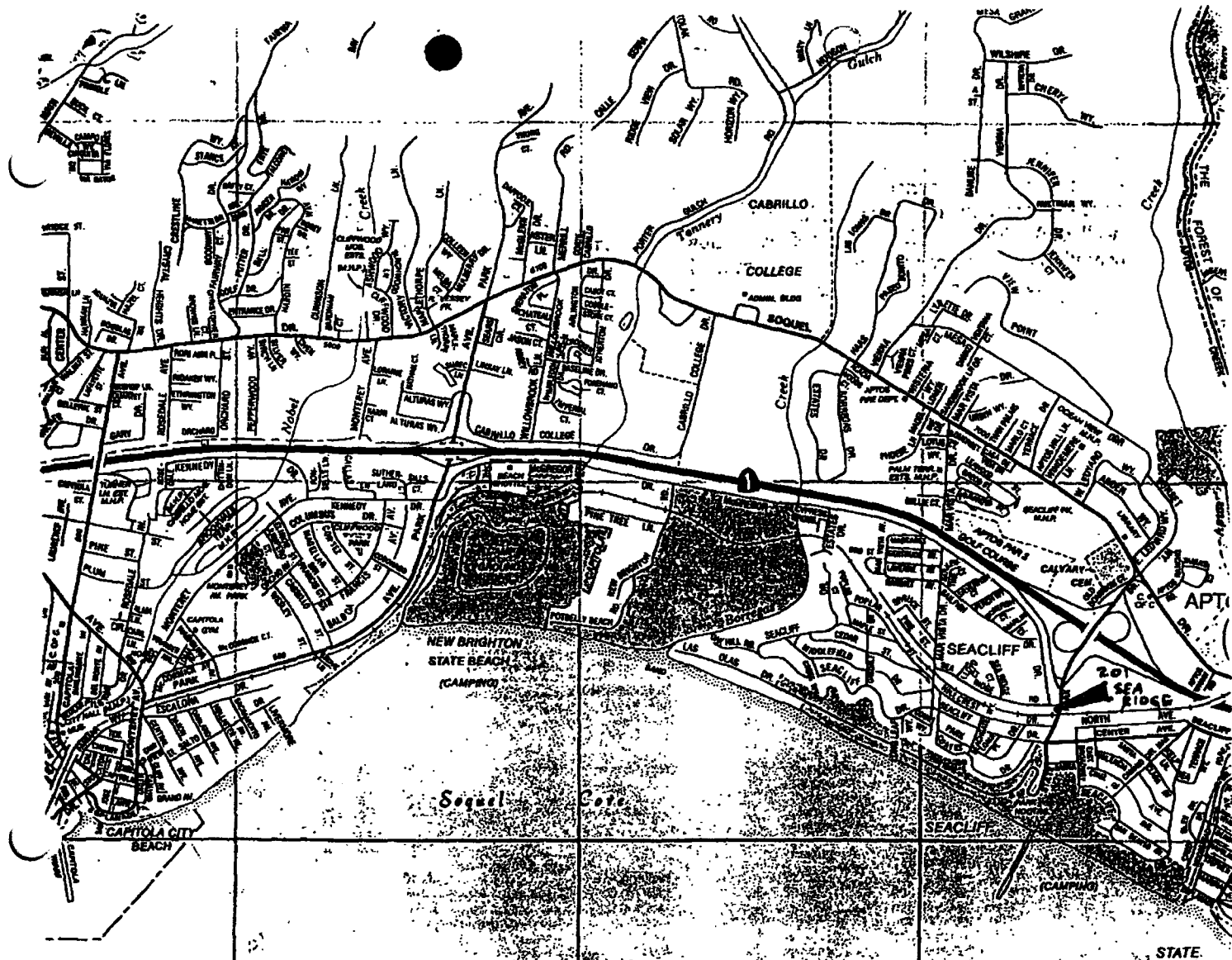
The second part of this status report provides the Regional Board with a summary of staff's current regulatory involvement at the site as it relates to key aspects of work performed pursuant to the United States Environmental Protection Agency's (U. S. EPA) and Casmalia Resources Site Steering Committee's (CSC) consent decree.

**Historic Summary**

The Casmalia Site, known as the Casmalia Resources Hazardous Waste Management Facility, was an active hazardous waste disposal facility from 1973 to 1989. The Casmalia Site is located in northern Santa Barbara County immediately north and east of Vandenberg Air Force Base, and approximately eight miles southwest of Santa Maria (Attachment 2A). The site is 252 acres, all of which are part of current remedial efforts.

The Regional Board and California Department of Toxic Substances Control regulated the facility until U. S. EPA assumed lead authority on-site in 1992. Pre-existing Regional Board Orders remain in place, but have not been implemented or enforced since U. S. EPA became the lead agency.

During active facility operations, liquid and solid wastes disposed at the site included heavy metals,



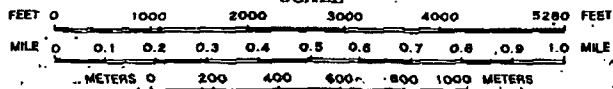
# Santa Cruz and Vicinity

## LEGEND

- FREEWAYS LIMITED ACCESS
- EXPRESSWAYS
- MAIN HIGHWAYS
- Ⓜ STATE HIGHWAY NUMBERS
- ONE-WAY STREETS
- 1/2 BLOCK NUMBERS

==== UNDER CONSTR'N

## SCALE



B a y

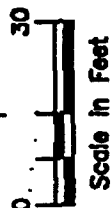
EO REPORT ATTACHMENT NO. 1A  
SEPTEMBER 15, 2000 MEETING  
TOSCO VICINITY MAP

# EXPLANATION

- Groundwater monitoring well
- Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- Groundwater elevation contour, dashed where inferred.



Approximate groundwater flow direction at a gradient of 0.04 Ft./Ft.



FIGURE

1

SEA RIDGE ROAD

Approach

Sidewalk

Dispenser Islands

Canopy

Aboveground Storage Tank

Station Building

Building

W/O Tank

Pavement

Underground Storage Tanks

Approximate Property Line

ST Corporation

**Gettler - Ryan Inc.**

6747 Sierra Ct., Suite J  
Dublin, CA 94568 (925) 551-7555

**POTENTIOMETRIC MAP**  
Tosco (76) Service Station #5876  
201 Sea Ridge Road  
Aptos, California

REVIEWED BY

DATE

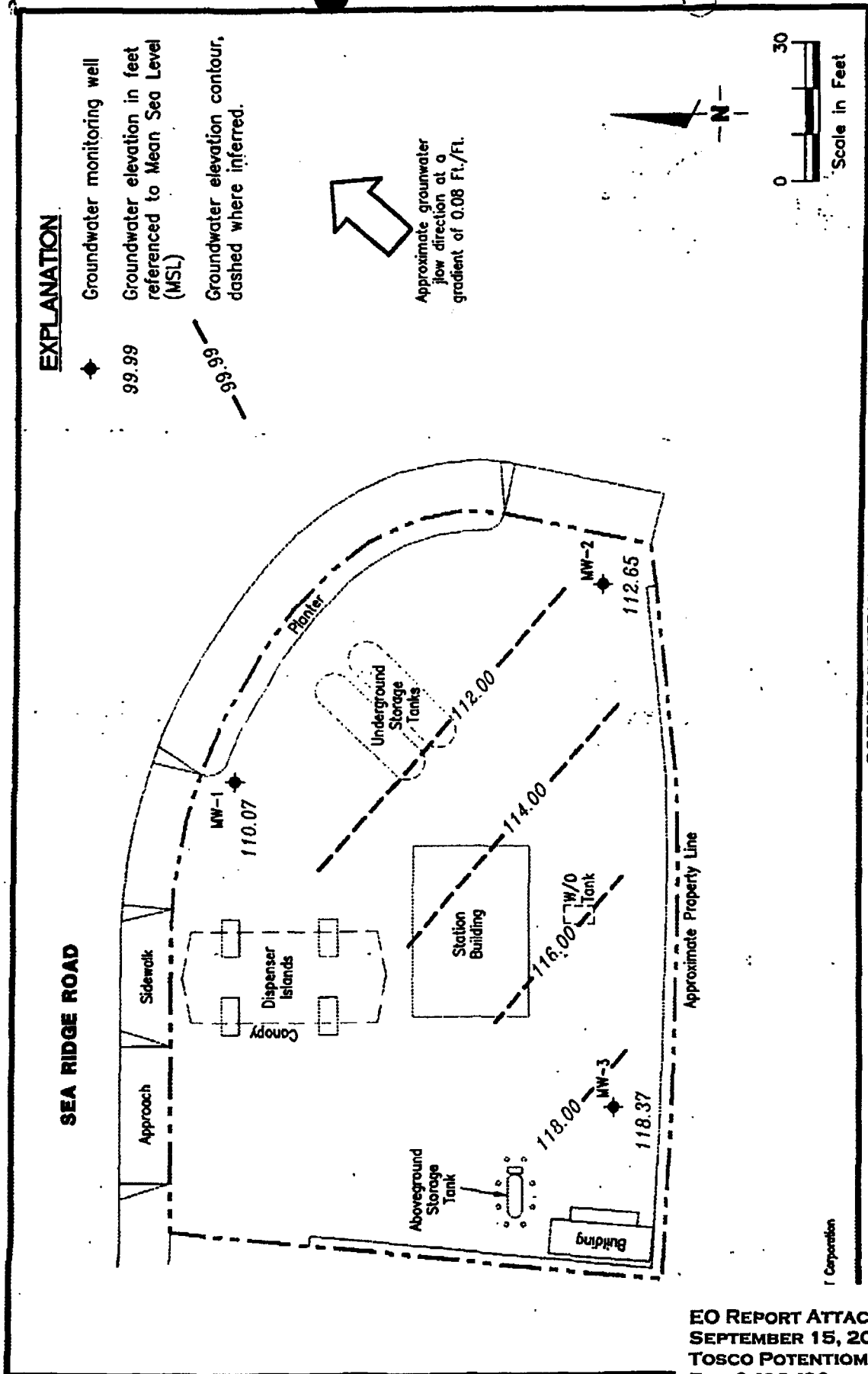
REVISED DATE

May 8, 2000

EO REPORT ATTACHMENT NO. 1B  
SEPTEMBER 15, 2000 MEETING  
TOSCO POTENTIOMETRIC MAP  
DTD 5/8/00

(B:\TOSCO\5876\000-5876.DWG | Layout Table plot2





FIGURE

**1**

**POTENTIOMETRIC MAP**  
 Tosco (76) Service Station #5876  
 201 Sea Ridge Road  
 Aptos, California

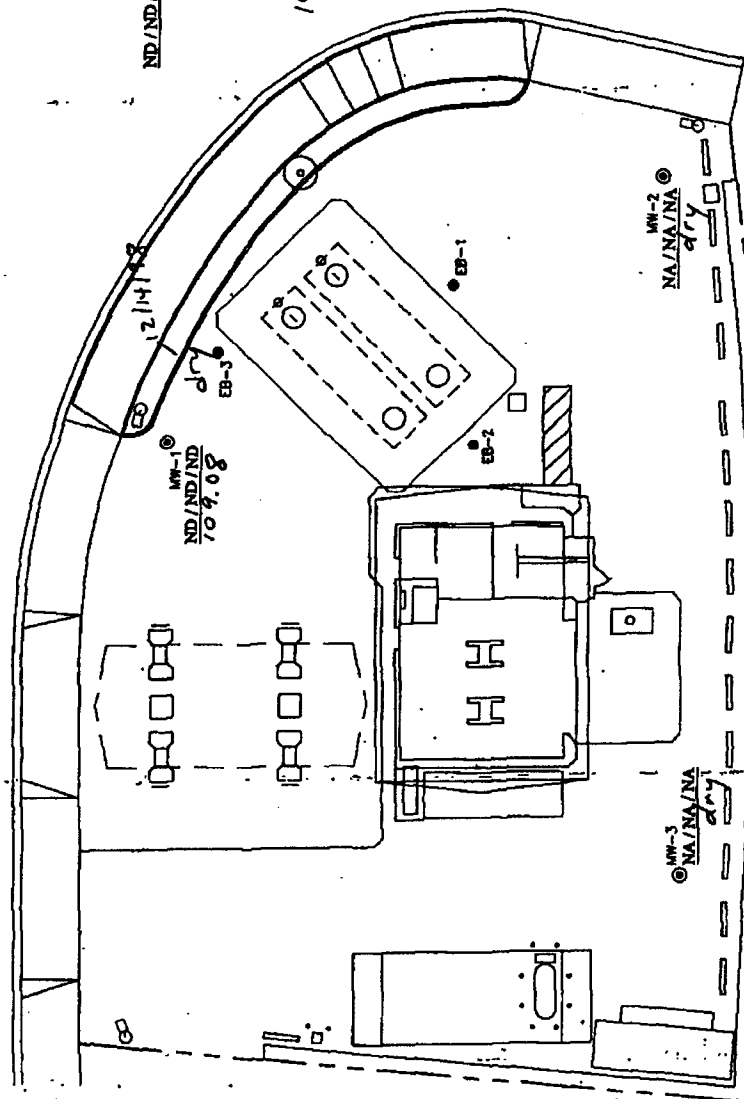
**Gottler - Ryan Inc.**  
 8747 Sierra Ct., Suite J (925) 551-7555  
 Dublin, CA 94568

REVIEWED BY: \_\_\_\_\_  
 DATE: February 26, 2000  
 REVISED DATE: \_\_\_\_\_

SEA RIDGE ROAD


- LEGEND**
- ⊙ GROUNDWATER MONITORING WELL
  - EXPLORATORY BORING
- ND/ND/ND  
 TPPH-9/BENZENE/MBE CONCENTRATIONS  
 IN GROUNDWATER (PARTS PER BILLION);  
 SAMPLED 9-16-99
- ND NOT DETECTED  
 NA NOT AVAILABLE

109.08 Elev. above mean sea level  
 7/16/99



↑ gwf flow??



  
 ITT CORPORATION

TOSCO MARKETING COMPANY  
 76 SERVICE STATION 5576

**FIGURE 3**  
 DISSOLVED HYDROCARBON  
 CONCENTRATION MAP  
 201 SEA RIDGE ROAD & STATE PARK DRIVE  
 APTOS, CALIFORNIA

PROJECT NUMBER	311-222.1A
APPROVED BY	
CHECKED BY	
DRAWN BY	12-8-99

EO REPORT ATTACHMENT No. 1D  
 SEPTEMBER 15, 2000 MEETING  
 TOSCO DISSOLVED HYDROCARBON  
 CONCENTRATION MAP



# GETTLER-RYAN INC.

## TRANSMITTAL

R. Supplee  
7/29/00

RECEIVED  
JUL 19 2000 14, 2000  
G-R #: 180226  
HEALTH SERVICES

TO: Mr. David J. Camille  
Tosco Marketing Company  
2000 Crow Canyon Place, Suite 400  
San Ramon, California

CC: Mr. Tim Ripp  
I.T. Corporation  
1921 Ringwood Avenue  
San Jose, California 95131

FROM: Deanna L. Harding  
Project Coordinator  
Gettler-Ryan Inc.  
6747 Sierra Court, Suite J  
Dublin, California 94568

RE: Tosco (76) SS #5876  
201 Sea Ridge Road  
Aptos, California

### WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	July 10, 2000	Groundwater Monitoring and Sampling Report Second Quarter 2000 - Event of May 8, 2000

### COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **July 18, 2000**, this report will be distributed to the following:

### Enclosure

cc: Ms. Rebecca Supplee, Santa Cruz County Department of Environmental Health, 701 Ocean Street, Room 312,  
Santa Cruz, CA 95060  
Mr. Bob Hurford, RWQCB Central Coast Region, 81 Higuera St., Suite 200, San Luis Obispo, CA 93401-5427

trans/5876.djc

6747 Sierra Court, Suite J • Dublin, California 94568 • (925) 551-7555



# GETTLER-RYAN INC.

July 10, 2000  
G-R Job #180226

Mr. David J. Camille  
Tosco Marketing Company  
2000 Crow Canyon Place, Suite 400  
San Ramon, California 94583

RE: Second Quarter 2000 Groundwater Monitoring & Sampling Report  
Tosco (76) Service Station #5876  
201 Sea Ridge Road  
Aptos, California

RECEIVED  
JUL 19 2000  
HEALTH SERVICES

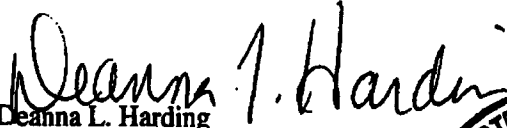
Dear Mr. Camille:


This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On May 8, 2000, field personnel monitored and sampled three wells (MW-1 through MW-3) at the above referenced site.

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 2. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

  
Deanna L. Harding  
Project Coordinator

  
Douglas J. Lee  
Senior Geologist, R.G. No. 6882

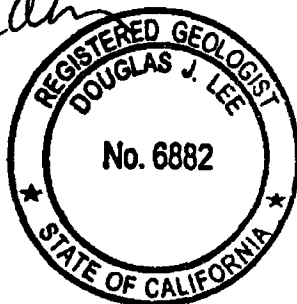


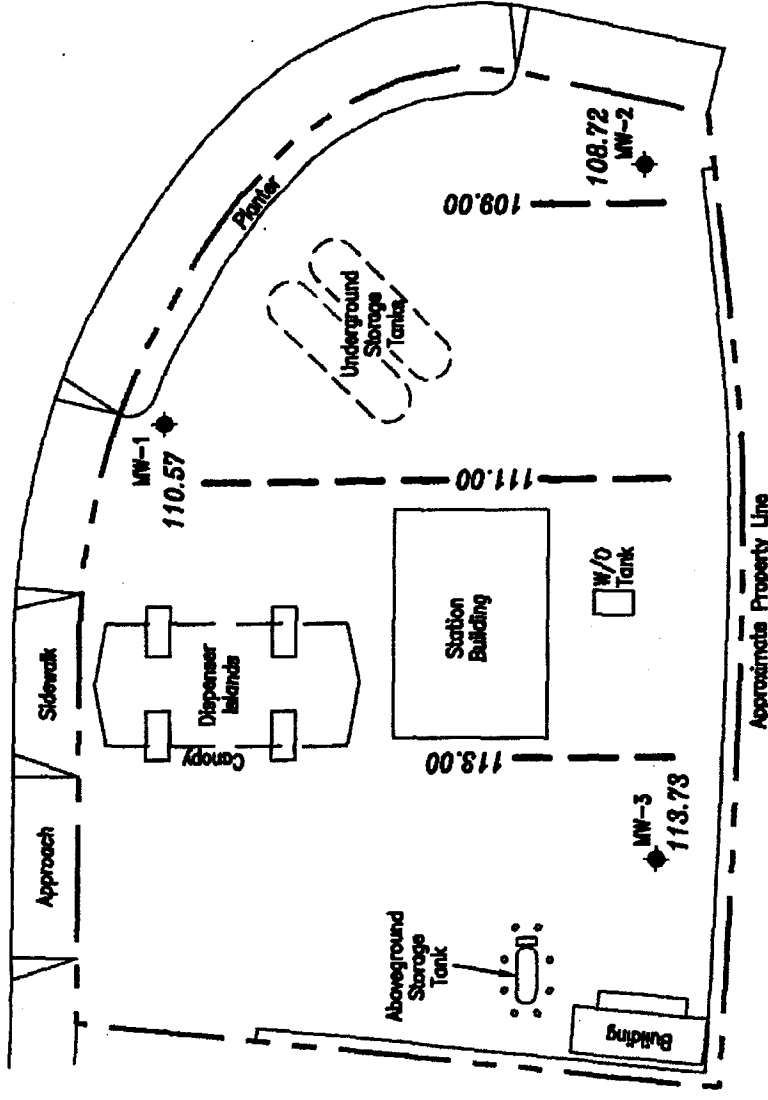
Figure 1: Potentiometric Map  
Figure 2: Concentration Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Groundwater Analytical Results - Oxygenate Results  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports

5876.qml

# EXPLANATION

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred.
- ↑ Approximate groundwater flow direction at a gradient of 0.04 Ft./Ft.

SEA RIDGE ROAD



Scale Map IT Corporation



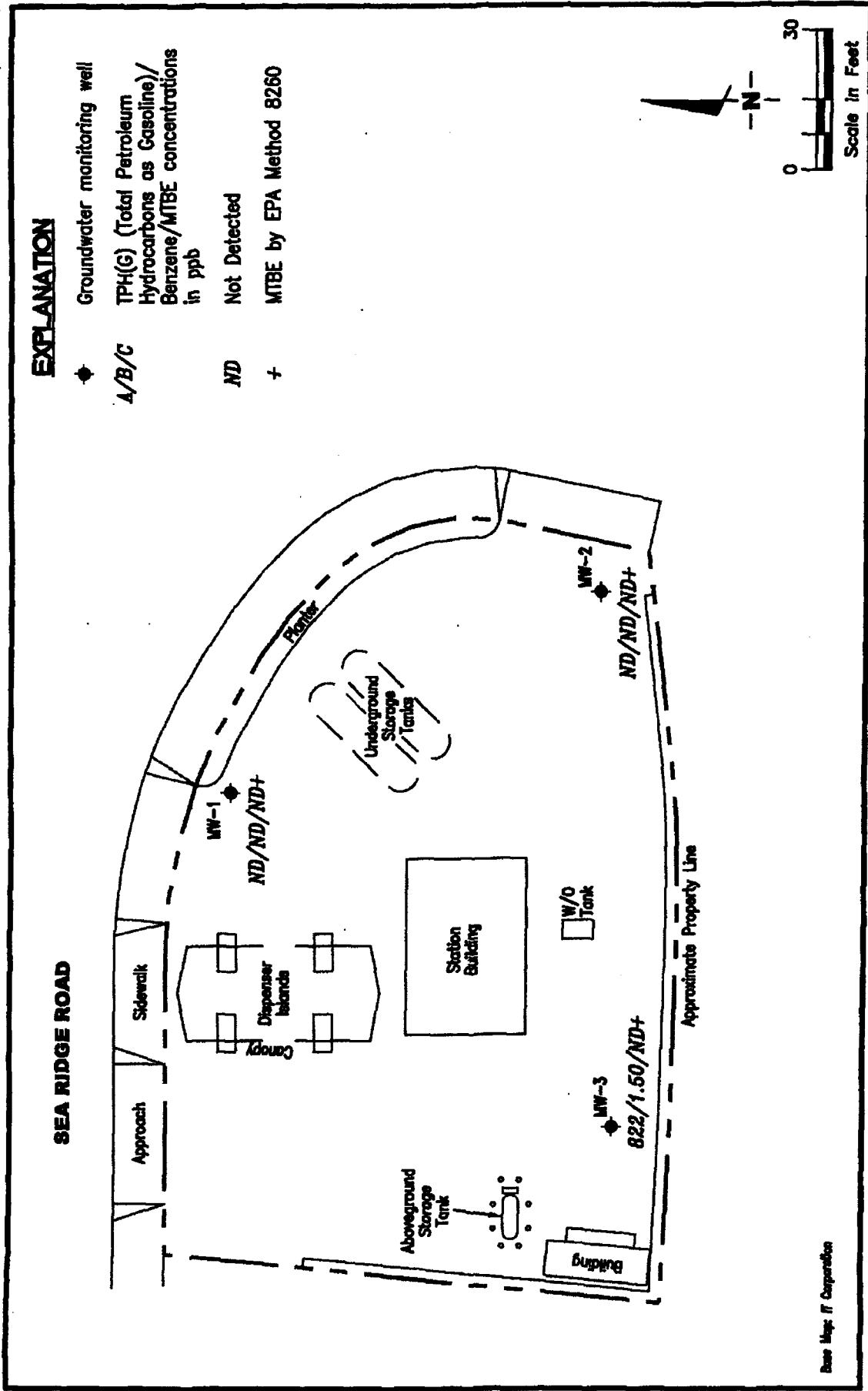
**Gottler - Ryan Inc.**

6747 Sierra Ct., Suite J  
Dublin, CA 94568  
(925) 551-7555

**POTENTIOMETRIC MAP**  
Tosco (76) Service Station #5876  
201 Sea Ridge Road  
Aptos, California

JOB NUMBER  
180226  
REVIEWED BY  
DATE  
May 8, 2000  
REVISED DATE

FILE NAME: P:\BMRD\10550\5876\000-5876.DWG | Layout Tab: p02



**EXPLANATION**

- ◆ Groundwater monitoring well
- A/B/C TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/Benzene/MTBE concentrations in ppb
- ND Not Detected
- + MTBE by EPA Method 8260

**Gettler - Ryan Inc.**  
 6747 Sierra Ct., Suite J  
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**CONCENTRATION MAP**  
 Tosco (76) Service Station #5876  
 201 Sea Ridge Road  
 Aptos, California

JOB NUMBER  
**180226**

FILE NAME: P:\ENVR\105855\5876\000-5876.DWG | Layout Tab: con2

REVIEWED BY

DATE **May 8, 2000**

REVISED DATE

FIGURE **2**

Base Map: IT Corporation

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Tosco (76) Service Station #5876**  
**201 Sea Ridge Road**  
**Aptos, California**

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (mst)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1 124.08	09/16/99	15.00	109.08	ND	ND	ND	ND	ND	ND
	02/26/00	14.01	110.07	ND	ND	ND	ND	ND	ND/5.35 <sup>1</sup>
	05/08/00	13.51	110.57	ND	ND	ND	ND	ND	ND/ND <sup>1</sup>
MW-2 120.29	09/16/99	DRY	--	--	--	--	--	--	--
	02/26/00	7.64	112.65	ND	ND	ND	ND	ND	ND/4.44 <sup>1</sup>
	05/08/00	11.57	108.72	ND	ND	ND	ND	ND	ND/ND <sup>1</sup>
MW-3 124.76	09/16/99	DRY	--	--	--	--	--	--	--
	02/26/00	6.39	118.37	ND	ND	ND	1.04	1.60	ND/2.24 <sup>1</sup>
	05/08/00	11.03	113.73	822 <sup>2</sup>	1.50	3.90	ND <sup>3</sup>	211	ND/ND <sup>1</sup>
Trip Blank TB-LB	02/26/00	--	--	ND	ND	ND	ND	ND	ND
	05/08/00	--	--	ND	ND	ND	ND	ND	ND

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (76) Service Station #5876  
 201 Sea Ridge Road  
 Aptos, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to February 26, 2000, were compiled from reports prepared by I.T. Corporation.

TOC = Top of Casing elevation  
 DTW = Depth to Water  
 (ft.) = Feet  
 GWE = Groundwater Elevation  
 msl = Relative to mean sea level  
 TPH(G) = Total Petroleum Hydrocarbons as Gasoline

B = Benzene  
 T = Toluene  
 E = Ethylbenzene  
 X = Xylenes  
 MTBE = Methyl tertiary butyl ether

ppb = Parts per billion  
 ND = Not Detected  
 -- = Not Measured/Not Analyzed

\* TOC elevations have been surveyed relative to Mean Sea Level (msl).

- 1 MTBE by EPA Method 8260.
- 2 Laboratory report indicates weathered gasoline C6-C12.
- 3 Detection limit raised. Refer to analytical reports.



**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (76) Service Station #5876  
 201 Sea Ridge Road  
 Aptos, California

WELL ID	DATE	METHANOL (ppb)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	02/26/00	ND <sup>1</sup>	ND	ND	5.35	ND	ND	ND	ND	ND
	05/08/00	-	ND	ND	ND	ND	ND	ND	-	-
MW-2	02/26/00	ND <sup>1</sup>	ND	ND	4.44	ND	ND	ND	ND	ND
	05/08/00	-	ND	ND	ND	ND	ND	ND	-	-
MW-3	02/26/00	ND <sup>1</sup>	ND	ND	2.24	ND	ND	ND	ND	ND
	05/08/00	-	ND	ND	ND	ND	ND	ND	-	-

**EXPLANATIONS:**

TBA = Tertiary Butyl Alcohol  
 MTBE = Methyl Tertiary Butyl Ether  
 DIPE = Di-isopropyl Ether  
 ETBE = Ethyl Tertiary Butyl Ether  
 TAME = Tertiary Amyl Methyl Ether  
 1,2-DCA = 1,2-Dichloroethane  
 EDB = 1,2-Dibromoethane  
 ppb = Parts per billion  
 ND = Not Detected

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

<sup>1</sup> Sample was received outside of the EPA recommended holding time.

## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

*Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.*

*Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.*

*After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.*

*Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.*

*The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.*

*A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.*

*As requested by Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.*

# **WELL MONITORING/SAMPLING FIELD DATA SHEET**

Client/ Tosco  
 Facility # 76 SS # 5876 Job#: 180226  
 Address: 201 Sea Ridge Road Date: 5/8/00  
 City: APTOS, CA Sampler: Vartley

Well ID mw-1 Well Condition: OK  
 Well Diameter 2" in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)  
 Total Depth 25.20 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 13.51 ft. Factor (VF) 6" = 1.50 12" = 5.80

11.69 X VF 0.17 = 1.98 X 3 (case volume) = Estimated Purge Volume: 6.0 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 5:15 Weather Conditions: clear  
 Sampling Time: 5:30 Water Color: clear Odor: no  
 Purging Flow Rate: 1 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>5:17</u>	<u>2</u>	<u>7.80</u>	<u>3.98</u>	<u>70.3</u>			
<u>5:19</u>	<u>4</u>	<u>7.68</u>	<u>3.91</u>	<u>69.7</u>			
<u>5:21</u>	<u>6</u>	<u>7.64</u>	<u>3.92</u>	<u>69.4</u>			

## **LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3x VOA</u>	<u>Y</u>	<u>HeL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
<u>"</u>	<u>2x VOA</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>8260(6) D&amp;H</u>

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Tosco

Facility# 76 SS # 5876

Job#: 180226

Address: 201 Sea Ridge Road

Date: 5/8/00

City: APTOS, CA

Sampler: Vertek

Well ID mw-2

Well Condition: OK

Well Diameter 2" in.

Hydrocarbon

Amount Bailed

Thickness: 0 (feet) (product/water): 0 (Gallons)

Total Depth 25.15 ft.

Volume 2" = 0.17 3" = 0.38 4" = 0.66  
Factor (VF) 6" = 1.50 12" = 5.80

Depth to Water 11.57 ft.

13.58 x VF 0.17 = 2.30 x 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

Purge  
Equipment:

Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling  
Equipment:

Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 4:44

Weather Conditions: clear

Sampling Time: 5:00

Water Color: clear Odor: no

Purging Flow Rate: 1 gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? no

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
4:46	2	7.71	3.31	70.1			
4:49	4.5	7.58	3.23	69.4			
4:52	7	7.55	3.18	69.2			

## LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 x VOA</u>	<u>Y</u>	<u>HEX</u>	<u>SEQUOIA</u>	<u>TPH(GI)/btex/mtbs</u>
<u>11</u>	<u>2 x VOA</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>8260 (6) Oxy's</u>

COMMENTS: \_\_\_\_\_

# WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Tosco

Facility # 76 SS # 5976

Job#: 180226

Address: 201 Sea Ridge Road

Date: 5/8/00

City: APTOS, CA

Sampler: Vartkes

Well ID MW-3

Well Condition: OK

Well Diameter 2" in.

Hydrocarbon

Amount Bailed

Thickness: Φ (feet) (product/water): Φ (Gallons)

Total Depth 24.85 ft.

Volume 2" = 0.17 3" = 0.38 4" = 0.66  
Factor (VF) 6" = 1.50 12" = 5.80

Depth to Water 11.03 ft.

13.82 x VF 0.17 = 2.34 x 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge  
Equipment:

Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling  
Equipment:

Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 4:16

Weather Conditions: clear

Sampling Time: 4:31

Water Color: clear Odor: no

Purging Flow Rate: 1 gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? no

If yes: Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity μmhos/cm x 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>4:18</u>	<u>2.5</u>	<u>7.63</u>	<u>4.11</u>	<u>69.3</u>			
<u>4:21</u>	<u>5</u>	<u>7.47</u>	<u>4.03</u>	<u>68.7</u>			
<u>4:24</u>	<u>7.5</u>	<u>7.45</u>	<u>3.99</u>	<u>68.3</u>			

## LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3 x VOA</u>	<u>Y</u>	<u>HEC</u>	<u>SEQUOIA</u>	<u>TPH(GI)/ntex/mtbe</u>
<u>"</u>	<u>2 x VOA</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>8260(6) Oxy's</u>

COMMENTS: \_\_\_\_\_



**KAPREALIAN ENGINEERING, INC.**

Consulting Engineers

P. O. BOX 913

BENICIA, CA 94510

(415) 676-9100 (707) 746-6915

KEI-P88-0712A-1

December 1, 1988

Unocal Corporation  
2175 N. California Blvd., Suite 650  
Walnut Creek, CA 94569

Attention: Mr. Tim Ross

*TL 12/30/88*

RE: Preliminary Subsurface Investigation at  
Unocal Service Station #5876  
201 Sea Ridge Road  
Aptos, California

Dear Mr. Ross:

This report presents the results of our subsurface investigation for the referenced site in accordance with our proposal dated August 19, 1988. The purpose of the investigation was to assess the quality of the subsurface soil and ground water (if encountered) at the site. The work performed consisted of the following:

1. Coordination with regulatory agencies.
2. Drilling two exploratory borings.
3. Soil sampling.
4. Laboratory analyses.
5. Data analyses, interpretation and report preparation.

**BACKGROUND**

The subject site is presently used as a gasoline station. The site vicinity and site details are shown on the attached sketches. In late July and early August, 1988, two 10,000 gallon underground gasoline tanks and one 280 gallon waste oil tank were removed from the site. Soil samples collected from beneath the tanks were analyzed by Sequoia Analytical Laboratory of Redwood City, California. Samples from beneath the fuel tanks had total petroleum hydrocarbons (TPH) as gasoline levels ranging from 1.1 to 67 ppm. The first sample from the waste oil pit at a depth of nine feet had 100 ppm TPH as diesel and 2100 ppm TOG. Because of the high level of contamination found beneath the waste oil tank,

KEI returned to the site on August 10, 1988 and excavated soil from beneath the waste oil tank to a depth of 17 feet. The soil sample collected from a depth of 17 feet showed non-detectable TPH as diesel, TOG and 8010 constituents. Maximum BTX&E was 0.056 ppm. Based on the levels of contamination found in the soil from beneath the waste oil tank, KEI recommended installation of three monitoring wells. The wells were to determine depth to water, subsurface geology, and to begin to determine the degree of contamination in soil (and ground water if encountered).

#### FIELD ACTIVITIES

On October 21, 1988, two 8" diameter borings (designated as EB2 and EB3 on the attached Site Plan) were drilled at the site (boring EB1 was not drilled because ground water was not encountered). The subsurface materials penetrated and the depths at which soil samples were collected are shown in the attached Boring Logs.

The borings were drilled to a total depth of 50 feet. Ground water was not encountered so monitoring wells were not installed. Soil samples were collected every five feet beginning at a depth of five feet in each of the borings. The undisturbed soil samples were taken by driving a California-modified split-spoon sampler ahead of the drilling augers. The clean, 2" by 4" brass tubes holding the samples were sealed with aluminum foil, plastic caps and tape, and stored in a cooled ice chest for delivery to a state certified laboratory. After the samples were collected, the borings were backfilled to the surface with a neat cement-sand slurry.

#### ANALYTICAL RESULTS

All samples were analyzed at Sequoia Analytical Laboratory, Redwood City, California, and were accompanied by properly executed chain of custody forms. The soil samples from EB3 were analyzed for total petroleum hydrocarbon (TPH) as gasoline using EPA method 5030 or 3810 in conjunction with modified 8015 and benzene, toluene, xylenes and ethylbenzene (BTX&E) using EPA methods 5030 and 8020. The soil samples from EB2, adjacent to the waste oil tank, were analyzed for TPH as diesel by EPA method 3550 in conjunction with modified 8015 and total oil and grease (TOG) by method 418.1. The soil samples from EB2 were also analyzed for EPA 8010/8020 Volatile Organic Compounds. The results of the soil analyses are summarized in Table 1. Copies of the laboratory analyses and Chain of Custody forms are attached to this report.

The analytical results of the soil samples from EB2 and EB3 showed non-detectable levels of all constituents except sample EB2 at 40', which had 1 ppm of TPH as diesel.

#### HYDROLOGY AND GEOLOGY

The subsurface formations at the site consist of silty sand, silty clay and sand (see Boring Logs).

#### DISCUSSION AND RECOMMENDATIONS

Based on the analytical results of the soil samples from EB2 and EB3 reflecting acceptable limits of hydrocarbons pursuant to the RWQCB guidelines, visual inspection and no apparent evidence of ground water, KEI recommends no additional work at this time, unless required by the regulatory agencies.

#### LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory investigations. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.



KEI-P88-0712A-1  
December 1, 1988  
Page 4

Should you have any questions regarding this report, please feel free to call me at (707) 746-6915.

Sincerely,

Kaprealian Engineering, Inc.



Jean Semansky  
Geologist



Gary S. Johnson  
Registered Geologist

License #4315  
Exp. Date 6/30/90



Mardo Kaprealian  
President

Attachments: Table 1  
Location Map  
Site Plan  
Boring Logs  
Laboratory Results  
Chain of Custody forms

KEI-P88-0712A-1  
December 1, 1988

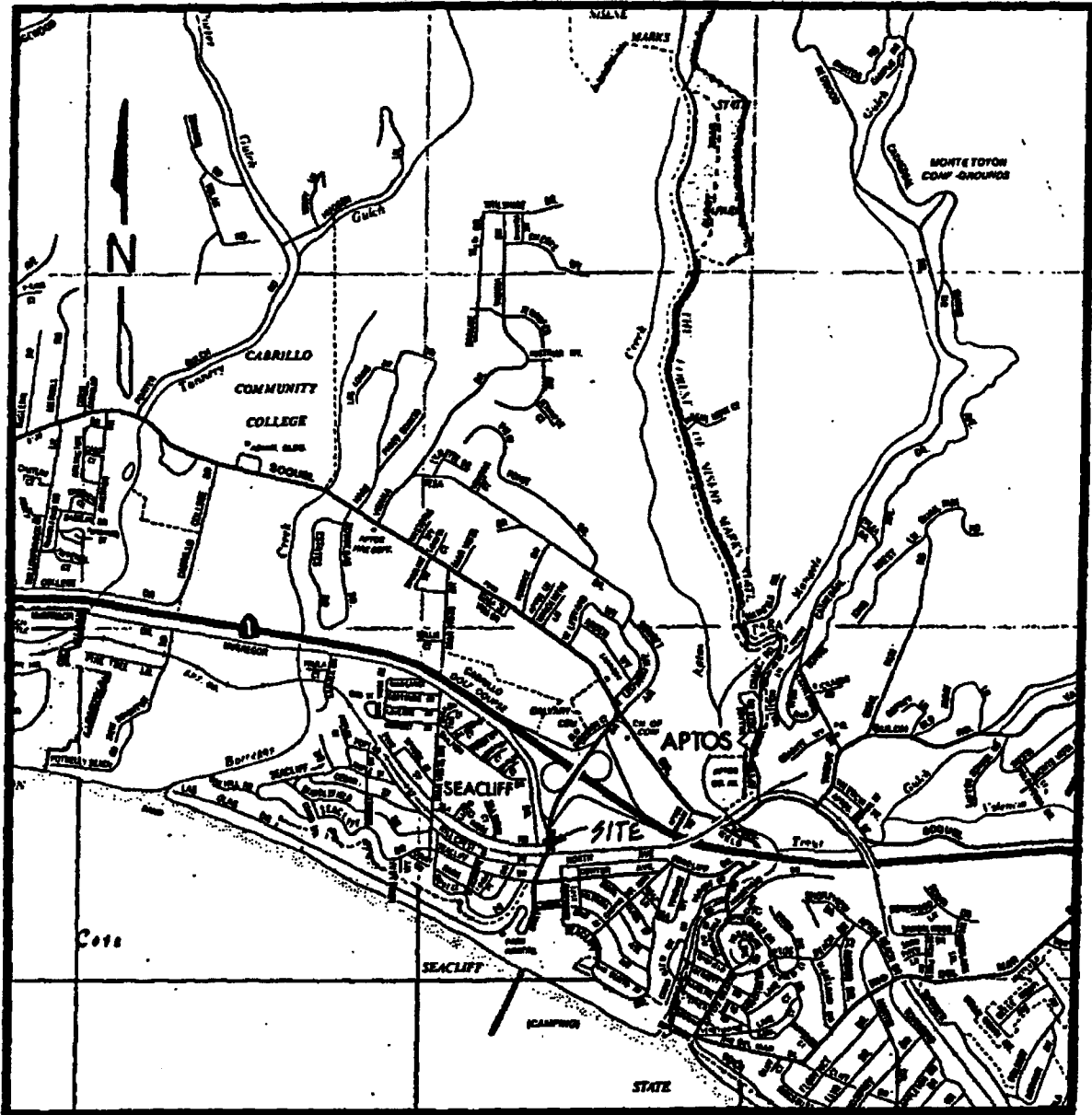
TABLE 1  
SUMMARY OF LABORATORY ANALYSES  
SOIL

(Results in ppm)  
(Collected on October 21, 1988)

<u>Sample Number</u>	<u>TPH-D</u>	<u>TPH-G</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethylbenzene</u>
EB2( 5)*	ND	----	ND	ND	ND	ND
EB2(10)*	ND	----	ND	ND	ND	ND
EB2(15)	ND	----	ND	ND	ND	ND
EB2(20)	ND	----	ND	ND	ND	ND
EB2(30)	ND	----	ND	ND	ND	ND
EB2(40)	1.0	----	ND	ND	ND	ND
EB2(50)	ND	----	ND	ND	ND	ND
EB3( 5)	----	ND	ND	ND	ND	ND
EB3(10)	----	ND	ND	ND	ND	ND
EB3(15)	----	ND	ND	ND	ND	ND
EB3(20)	----	ND	ND	ND	ND	ND
EB3(30)	----	ND	ND	ND	ND	ND
EB3(40)	----	ND	ND	ND	ND	ND
EB3(50)	----	ND	ND	ND	ND	ND
Detection Limit	1.0	1.0	0.05	0.1	0.1	0.1

\* 8010 compounds from EB2 were all non-detectable.  
TOG from EB2 was non-detectable.

**(415) 676 - 9100      (707) 746 - 6915**



**LOCATION MAP**



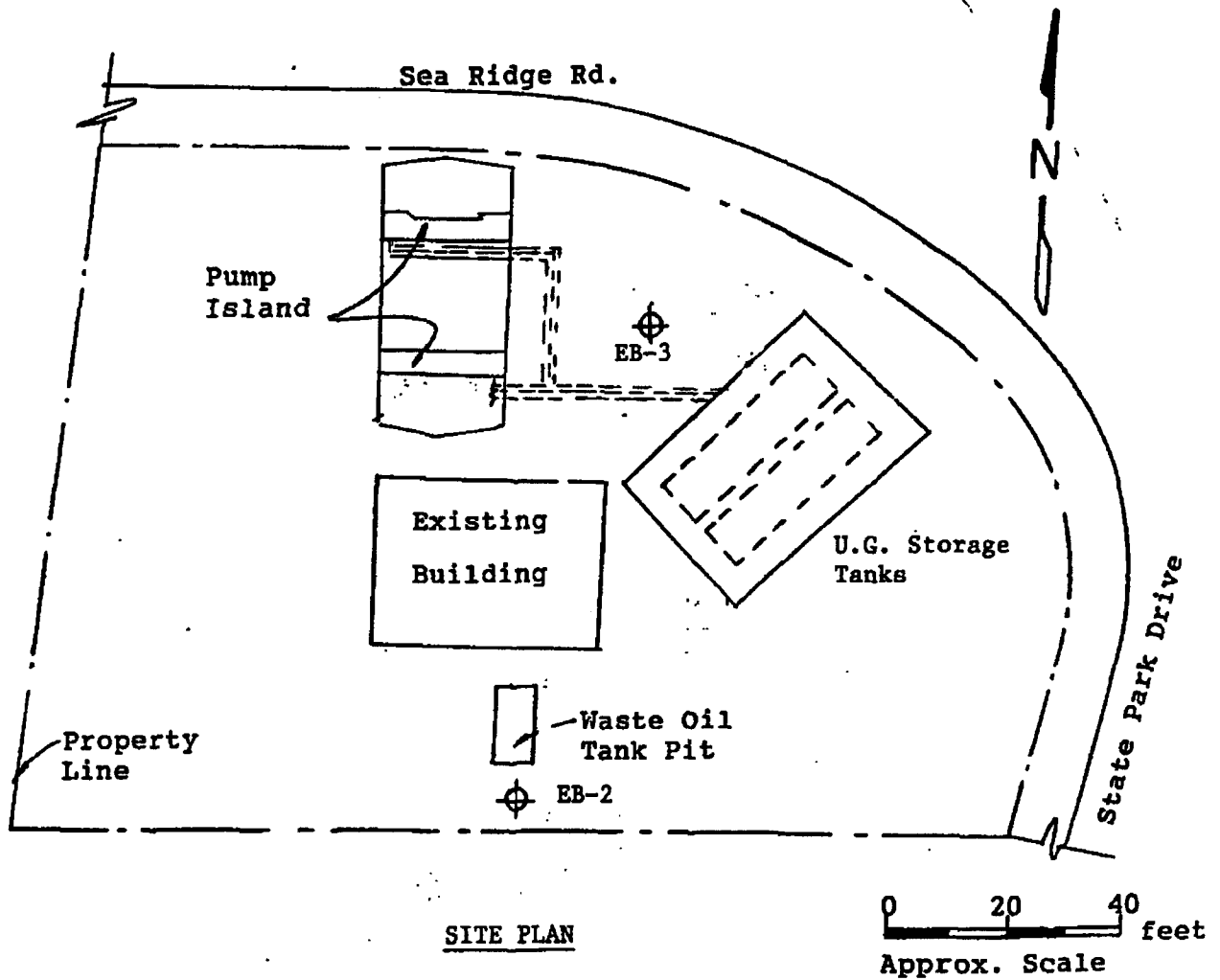
# KAPREALIAN ENGINEERING, INC.

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(415) 876-9100 (707) 746-6915



⊕ Exploratory Boring

Unocal Service Station #5876  
201 Sea Ridge Road  
Aptos, California

# BORING LOG

Project No. KEI-P88-0712A-1		Boring & Casing Diameter 8 in.		Logged By: J. Yang	
Project Name Unocal #5876		Well Head Elevation		Date Drilled 10/21/88	
Boring No. EB-2		Drilling Method Hollow stem		Depth to Ground Water Not encountered	

Penetration blows/ft	G. W. level	Depth (ft) Samples	Strati- graphy USCS	Description
		0		ASPHALT
			SM	SILTY SAND: dark brown
29		5		
12		10		
9		15		
8		20	CL/ CH	SILTY CLAY: light brown, medium to high plasticity
14		25		
			SM	SILTY SAND: brown
13		30		
			SP	SAND: brown, well sorted
46		35		
41		40		

# BORING LOG

Project No. KEI-P88-0712A-1		Boring & Casing Diameter		Logged By:	
Project Name Unocal #5876		Well Head Elevation		Date Drilled 10-21-88	
Boring No. EB-2		Drilling Method		Depth to Ground Water	
Penetration blows/ft	G. W. level	Depth (ft) Samples	Strati- graphy USCS	Description	
61		40	SP	SAND: as above	
87		45		TOTAL DEPTH 50 FEET	
		50			
		55			
		60			
		65			
		70			
		75			
		80			

# BORING LOG

Project No. KEI-P88-0712A-1		Boring & Casing Diameter 8 in.		Logged By: J. Yang	
Project Name Unocal #5876		Well Head Elevation		Date Drilled 10-21-88	
Boring No. EB-3		Drilling Method Hollow stem		Depth to Ground Water Not encountered	

Penetration blows/ft	G. W. level	Depth (ft) Samples	Strati- graphy USCS	Description
		0		ASPHALT
			SM	SILTY SAND: brown
18		5		
11		10		
21		15		
17		20		
17		25		
17		30	SP	SAND: brown, well sorted
44		35		
30		40		

# BORING LOG

Project No. KEI-p88-0712A-1		Boring & Casing Diameter 8 in.		Logged By:	
Project Name Unocal #5876		Well Head Elevation		Date Drilled 10-21-88	
Boring No. EB-3		Drilling Method		Depth to Ground Water	
Penetration blows/ft	G. W. level	Depth (ft) Samples	Strati- graphy USCS	Description	
38		40	SP	SAND: as above	
		45			
75		50		TOTAL DEPTH 50 FEET	
		55			
		60			
		65			
		70			
		75			
		80			



# Key To Boring Logs

PRIMARY DIVISIONS			GROUP SYMBOL	SECONDARY DIVISIONS
COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN 5% FINES)	GW	Well graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVEL WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS (LESS THAN 5% FINES)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES	SM	Silty sands, sand-silt mixtures, non-plastic fines.
			SC	Clayey sands, sand-clay mixtures, plastic fines.
FINE GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT IS LESS THAN 50%		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS LIQUID LIMIT IS GREATER THAN 50%		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
			HIGHLY ORGANIC SOILS	

## DEFINITION OF TERMS

SILTS AND CLAYS	U.S. STANDARD SERIES SIEVE				CLEAR SQUARE SIEVE OPENINGS		
	200	40	10	4	3/4"	3"	12"
	SAND			GRAVEL		COBBLES	BOULDER
	FINE	MEDIUM	COARSE	FINE	COARSE		

## GRAIN SIZES

SANDS AND GRAVELS	BLOWS/FOOT <sup>1</sup>
VERY LOOSE	0 - 4
LOOSE	4 - 10
MEDIUM DENSE	10 - 30
DENSE	30 - 50
VERY DENSE	OVER 50



SILTS AND CLAYS	STRENGTH	BLOWS/FOOT <sup>1</sup>
VERY SOFT	0 - 1/4	0 - 2
SOFT	1/4 - 1/2	2 - 4
FIRM	1/2 - 1	4 - 8
STIFF	1 - 2	8 - 16
VERY STIFF	2 - 4	16 - 32
HARD	OVER 4	OVER 32


## RELATIVE DENSITY

<sup>1</sup>Number of blows of 140 pound hammer falling 30 inches to drive a 2 inch O.D. (1-3/8 inch I.D.) split spoon

## CONSISTENCY

## UNIFIED SOIL CLASSIFICATION SYSTEM

 Soil sample, not retained  
 Soil sample, retained for analysis

 Soil sample, not recovered

Soil Color derived from the MUNSELL Soil Color Charts